



# 2017 POOL & SPA PRODUCTS BUYERS GUIDE

*Includes ProStar® All-American Replacement Parts and SwimDesigns Pool Art*



# Expect the Exceptional



*Exceptional to AquaStar means paying attention to the details and making sure that every product leaves our facility with one goal in mind: That it meets every pool professional's expectations in every way.*

*To achieve that goal, everyone involved has to make sure that every product we make has the proper fit and finish to meet the stringent demands that are required. This is the same process that we have used for over a dozen years. It takes an exceptional staff and talent to pull this off day in and day out. It will be no different for 2017. We have been working hard coming up with exceptional new products that will make your life easier in both aesthetics and functionality for all of your upcoming projects. With the advent of our world-class laboratory and test facility, we are able to predict and verify many important engineering and functional details well before they are installed in the field. As you skim through our new catalog, you will find an array of exciting new products that range from updates to our drain line as well as fittings and skimmers. We take great pride in all of our new offerings and as always, all of our products are "Made In America". I want to personally thank every one of our customers for believing in our products and I know I speak for every one of our hard-working professionals that we look forward to another year of "exceptional" service to you with all of your loyal support.*

*Olaf Mjelde BFN  
President*

# TABLE OF CONTENTS

3	What Makes AquaStar Different	103	Vinyl/Fiberglass
4	Drains	123	Pool Cleaners
6	Certification of Compliance	127	Chemical Feeders
8	Drain Cross-Reference Chart	135	SwimDesigns Pool Art
61	AquaStar Commercial Aquatics	153	ProStar Replacement Parts
65	Fittings	178	Terms and Conditions
81	AquaThunder Spa Jets	180	Index
87	Skimmers & Water Levelers		

## THE AQUASTAR VGB COMPLIANCE BUTTON



Swimming Man VGB 2008 Button

AquaStar's unique trademarked compliance button identifies submerged suction outlets from pool and spa deckside, perfect for Department of Health and building officials' inspection and verification processes.

NOTE: To comply with the ANSI/APSP 16 standard, AquaStar has determined that all covers and screws need to be replaced every **FIVE YEARS** from date of installation. The facility owner should keep records. Make sure frame/sump is structurally sound and screws have at least **THREE THREADS** of engagement, or replacement of the frame/sump is also necessary.

# WHAT MAKES AQUASTAR DIFFERENT

Developing meaningful and useful products has always been at our core. We are continually finding new challenges to explore as we build better products that make a difference in safety and practical use.



## VGB-Compliant

AquaStar suction outlets, gravity drains, sumps, frames and retrofit plates are designed and tested to be compliant with the Virginia Graeme-Baker Pool and Spa Safety Act.

## Certified

All AquaStar drain covers and sumps are tested at nationally recognized testing labs (NRTL), exceeding ANSI/APSP 16-2011, NSF/ANSI 50-2009a and G154 UV standards.

## Advanced Materials

AquaStar's engineered polymers far exceed the UV and durability standards of other materials. AquaStar has been testing all materials to the G154 UV test standard since 2004, long before it became a standard requirement.

## Innovative Technology

A disciplined approach to research and development, combined with advanced manufacturing methods enables AquaStar to deliver cutting-edge products to the market faster.



## Proudly Made in the USA

As you're helping your customers select new drain covers this year, consider AquaStar. Every AquaStar pool product is designed and manufactured in the United States, ensuring the highest quality merchandise. Our entire product line is designed to provide the very best look, feel and performance.



**DRAINS**



**AQUASTAR POOL PRODUCTS** certifies that all drain covers and their associated components meet or exceed the requirements of Section 1404 of the Virginia Graeme Baker Act Pool & Spa Safety Act, ANSI/APSP 16-2011, VGB 2008 and ASME/ANSI A112.19.8-2007 standards and safety regulations as set forth by the Consumer Products Safety Commission (CPSC). For more information about the VGB Pool & Spa Safety Act, visit [PoolSafely.gov](http://PoolSafely.gov), provided by the U.S. Consumer Product Safety Commission.

**VGB UNBLOCKABLE DRAINS** The CPSC defines VGB unblockable drains such that the perforated (open) area and the opening below the cover/grate (manufactured and field-built sumps) cannot be shadowed by the area of the 18" x 23" body blocking element of the drain cover standard.

**SINGLE-UNBLOCKABLE DRAINS** Only one VGB unblockable drain is required to comply with the VGB Pool & Spa Safety Act, the Model Aquatic Health Code (MAHC), International Swimming Pool and Spa Code (ISPSA), ANSI/APSP-1 public pool standard, ANSI/APSP-5 residential pool standard, and ANSI/APSP 7 (2006 & 2013), **provided** the flow rating engraved on the cover equals or exceeds the maximum flow rate of the specific system.

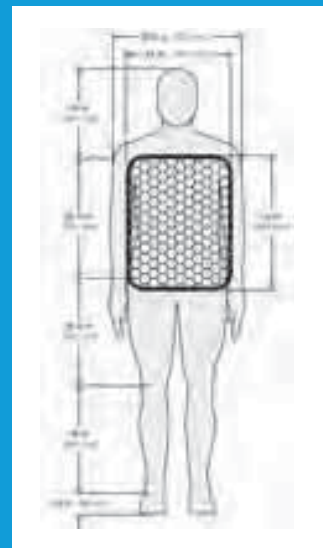
**SYSTEM FLOW RATINGS** When using one unblockable drain, the maximum system flow rating is the rating engraved on the cover/grate. When using two or more unblockable drains the system flow rating is the sum of the flow rating engraved on the cover/grates. Note: some cover/grates have two different flow ratings, one for floor and another for wall installations.

**AQUASTAR UNBLOCKABLE DRAINS** include, but are not limited to, the 20" Full Circle, 32" channel drains, and the 24" x 24" VGB anti-entrapment suction outlet covers.

**NEW CONSTRUCTION & RENOVATIONS** When using blockable drains (18" x 18" or smaller) the VGB Act, MAHC, ISPSA, ANSI/APSP-1, ANSI/APSP-5, and ANSI/APSP-7 requires new pools and spas to include at least two drains separated by 3 feet measured center to center, or they may be on separate planes, such as one on the floor and one on the wall.

**EXISTING POOLS** When replacing existing single-blockable drains (18" x 18" or smaller) the MAHC, ISPSA, ANSI/APSP-1, ANSI/APSP-5, and ANSI/APSP-7 require the use of a "secondary anti-entrapment system" as defined by the VGB Act, Section 1404(c) (1) (A) (ii). Alternatively, single-blockable drain pools can be converted to single-unblockable drain pools, dual-drain pools, or overflow pools. Refer to the applicable code for more information.

**SYSTEM FLOW RATINGS** When using two or more blockable drains, the maximum system flow rating is calculated by subtracting the flow rating of one cover/grate from the sum of the others. In other words, assume one cover is blocked and then add up the flow rating of the rest.



★ IMPORTANT NOTICE

# VIRGINIA GRAEME BAKER POOL & SPA SAFETY ACT 5 YEARS. 5 REASONS.

It's been over five years since the Virginia Graeme Baker Pool & Spa Safety Act became effective — meaning public facilities have to continue replacing their pool and spa drain covers every five years. Here's why this should be your priority as well.

DRAINS



**IT'S THE LAW.** The VGB law that went into effect in 2008 requires that all public pools and spas have drain covers that comply with the ASME/ANSI A112.19.8 performance standard, or any successor standard, currently ANSI/APSP 16-2011. This standard requires that manufacturers determine a life expectancy and place a permanent mark with “Life: X Years” on each cover to indicate lifespan. At AquaStar, based on UV, structural and fastener testing, we've determined that our drain covers should be replaced every five years from the date of installation, as stated in our instructions. We have partnered with you to make sure your customers are in compliance with the law and our customer service department is here to help in any way we can.



**REDUCE LIABILITY.** The law requires that compliant drain covers be installed in all public pools and spas, in accordance with manufacturer instructions. Failure to comply can result in pool closings and stiff civil penalties, as well as resulting liability in the event of a tragedy.



**IT'S SIMPLE.** Public pools are required to install compliant covers in accordance with manufacturer instructions. You want your residential customers to have the same level of protection. To ensure structural integrity and avoid accidents with broken covers, the drain covers that public pools and spas installed five years ago need to be replaced. Our drain cover solutions give you the selection you need to meet any requirements. (See cross-reference chart on next page and our website for our wide array of available replacement options.) And if you don't currently have an AquaStar drain cover, we also have many retrofit choices that will adapt to other manufacturers' frames and sumps. Keep in mind that you must also assess the integrity of the existing frame or sump to ensure that it is structurally sound and able to get three threads of engagement with the new screws provided with each cover. Remember, at AquaStar, every product is held to the highest standard of quality, resulting in superior, dependable products that last.



**IT'S SMART BUSINESS.** When you remind your customers about their upcoming drain cover expirations, you are more than just a pool supply vendor for them. You're a trusted resource and partner helping them stay compliant with the law and keeping consumers safe. And that's good for business.



**DON'T WAIT UNTIL IT'S TOO LATE.** While replacing drain covers is the legal thing to do, it's also the safe thing to do. Help your customers make the right decision — at the right time.

## COMPLETE LINE OF VGB COMPLIANT RETROFIT DRAINS



PLEASE CALL OR VISIT OUR WEBSITE FOR MORE INFORMATION

877-768-2717 +1-805-620-5060 (outside the U.S.) [www.aquastarpoolproducts.com](http://www.aquastarpoolproducts.com)

# VGB 2008 SUCTION OUTLET RETROFIT CROSS-REFERENCE CHART

Replace suction outlet covers five years after installation with AquaStar anti-entrapment suction outlet covers.  
CPSC-approved • ANSI/APSP-16 2011 • NSF 50-2009

EXISTING PART #*	REPLACEMENT VGB PART #*	EXISTING PART #*	REPLACEMENT VGB PART #*
4RNDxxx, R4RNDxxx (4" Round)	6HPHxxx and SCW1026	12xxx, 12MFxxx, P12xxx, SRFS12xxx SUN12xxx, SUN12WRxxx, WAV12xxx, WAV12WRxxx (12" Square)	1216xxx, 12MFxxx, WAV12WRxxx
6HPxxx, 6HPHxxx (6" Round)	6HPHxxx	R12MFxxx, RFS12xxx, RWAV12xxx, RSUN12xxx (12" Square)	1216xxx, R12MFxxx
8AVxxx, 8HPxxx, 8AVWRxxx, 8CCxxx, 8FLxxx, 8FUWxxx, 8MFxxx, A8xxx, A8Rxxx, LP8AVxxx, LP8AVWRxxx (8" Round)	8MFxxx, A8Rxxx, LP8AVWRxxx	914xxx, R914xxx (14" Square)	914xxx
R8MFxxx, R8HPxxx, RLP8AVxxx (8" Round)	R8MFxxx, A10RCFRxxx	1216xxx, R1216xxx (16" Square)	1216xxx
LP8MHxxx, 8HPMHxxx (8" Round)	A8Rxxx and R8MHxxx	18xxx, P18xxx, SUN18xxx, SUN18HPHxxx, SUNA18xxx, SUNA18WRxxx, WAV18xxx, WAV18WRxxx (18" Square with Four 9" Squares)	18MFNFxxx, P18NFxxx, RSUN18HPHxxx, WAV18WRNFxxx
9xxx, P9xxx, SRFS9xxx, SUN9xxx, SUN9WRxxx, WAV9xxx, WAV9WRxxx (9" Square)	914xxx, 9MFxxx, WAV9WRxxx,	RWAV18xxx, RSUN18HPRxxx (18" Square with Four 9" Squares)	RSUN18HPRxxx
LPRFS9xxx, RFS9xxx, RSUN9xxx, RWAV9xxx (9" Square)	914xxx, 9MFxxx	24xxx, P24xxx, WAV24xxx (24" Square with Four 12" Squares)	24NFxxx, WAV24NFxxx
10AVxxx, 10AVRxxx, 10AVWRxxx, 10CCxxx, 10FLxxx, 10MFxxx (10" Round)	10AVRxxx, 10MFxxx, A10RCFRxxx	32CDAVxxx, 32CDAVFRxxx, 32CDFLxxx, 32CDFLFRxxx, 32CDLTxxx, 32CDLTFRxxx, 32CDPHxxx, 32CDPHFRxxx (32" Channel Drain)	32CDAVNFxxx, 32CDFLNFxxx, 32CDLTNFxxx, 32CDPHNFxxx
10RCFRxxx, A10RCFRxxx (10" Round)	A10RCFRxxx	32CDAVVxxx, 32CDFLVxxx, 32CDLTVxxx, 32CDPHVxxx (32" Channel Drain)	32CDAVNFxxx, 32CDFLNFVxxx, 32CDLTVFRxxx, 32CDPHNFxxx

\*See AquaStar Color Chart for Part Ending #s / Color Codes:

101=White, 102=Black, 103=Light Gray, 104=Blue, 105=Dark Gray, 108=Tan



Be a pool and spa professional! Always follow and understand AquaStar's installation instructions thoroughly. Compliance to the VGB act and related standards does **NOT** stop with installation of the compliant cover. The existing frame/sump must be in good condition, or it should also be replaced; the sump needs to be at least at each model's required depth; and the new screws must securely fasten to the frame.



# SUMP BUCKET CONFIGURATIONS

A selection of our drain covers are available with the following additional sump bucket configurations. Letters (A–F) at the end of the part number correspond to the desired configuration.

**8MFxxx A** = 8" Anti-Entrapment Suction Outlet with Double-Deep Sump

**A** Double-Deep Sump  
(see drain cover options on following pages)



**B** Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump  
(see drain cover options on following pages)



**D** 4" Socket Deep PVC Sump  
Includes Pressure Test Plug  
(see drain cover options on following pages)



**F** 6" Socket Deep PVC Sump  
Includes Pressure Test Plug  
(see drain cover options on following pages)



**SB** Standard ABS Sump  
(see drain cover options on following pages)



**SBAC** Standard ABS Sump with Adjustable Collar  
(see drain cover options on following pages)



**SBV** Standard ABS Sump for Vinyl/Fiberglass  
(see drain cover option on page 105)



**32CDPxxx**  
32" Channel Drain Three-Port  
Manufactured PVC Sump



**32CDSBV101**  
32" Channel Drain Three-Port  
Manufactured ABS Sump for vinyl/fiberglass pools



# 4" ROUND HOCKEY PUCK SUMPLESS SUCTION OUTLET COVER

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use in gunite pools and spas (see installation instructions)

Single – sumpless  
Floor/wall: 56 GPM at 3.5 fps

Floor/wall: 24.4 GPM at 1.5 fps  
Floor/wall: 16.2 GPM at 1.0 fps

5.2 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws (3) for brass inserts

Manufactured from superior UV-resistant engineered polymers

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Easily and safely retrofits many HydroAir/ITT parts

See next page for six adapter plates sold separately, available for sumpless connections to 1022s, 1.5" female adapters, 1.5" and 2" inside and outside slip and threads

Replace every five years from the date of installation

25 per case

## No sump required!

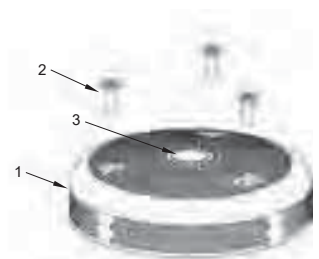
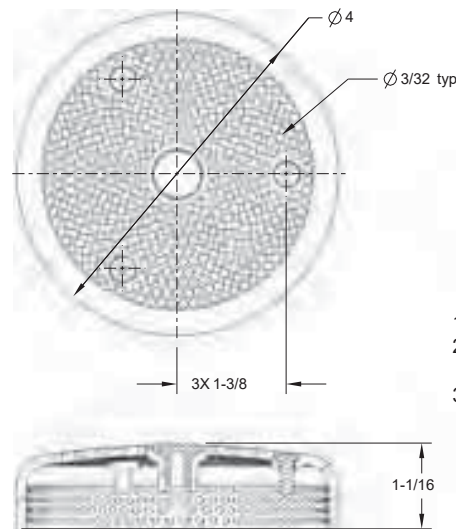


Part # 4HPxxx

### STANDARD COLORS

- 4HP101 – White
- 4HP102 – Black
- 4HP103 – Light Gray
- 4HP104 – Blue
- 4HP105 – Dark Gray
- 4HP108 – Tan

VGB 2008 Compliant



1. 4" suction outlet cover
2. 8-32 x 1/2" lg flat head Phillips screw, 316 ss, qty 3
3. VGB 2008 "color code" swimming man

## ADDITIONAL PRODUCT CONFIGURATIONS FOR 4HPXXX (sold separately)

STANDARD COLORS  101  102  103  104  105  108

### FEATURES: Adapter Plates for 4HPxxx and 6HPHxxx (see pages 12-13)

For single or multiple drain use in gunite pools and spas  
(see installation instructions)

Three brass inserts

Manufactured from superior UV-resistant engineered polymers/ABS

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Six combinations available for sumless connections to 1022s,  
1.5" female adapters, 1.5" and 2" inside and outside slip and threads;  
baseplates sold separately

25 per case

#### Code Key:

4 = for 4HPxxx

xxx = color

15 = 1 1/2"

Soc. = socket, slip

SI = Slip Insider

6 = for 6HPHxxx

(i.e. 101 = white)

20 = 2"

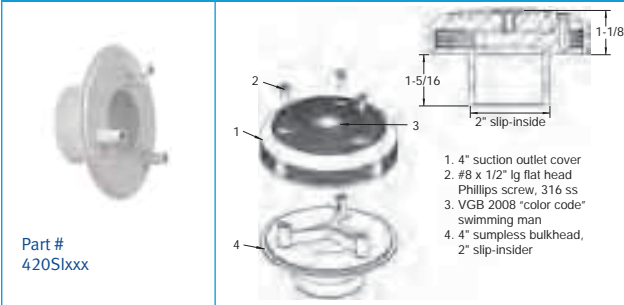
Spg. = spigot, slip

T = Thread

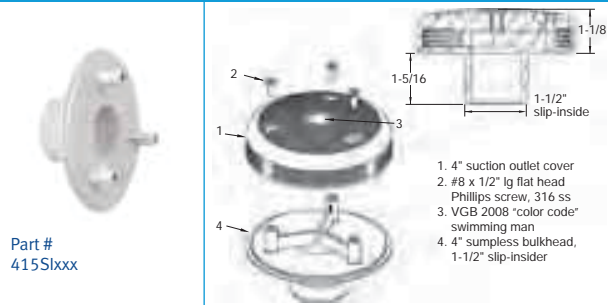
HP = "hockey puck" cover

25 = 2 1/2"

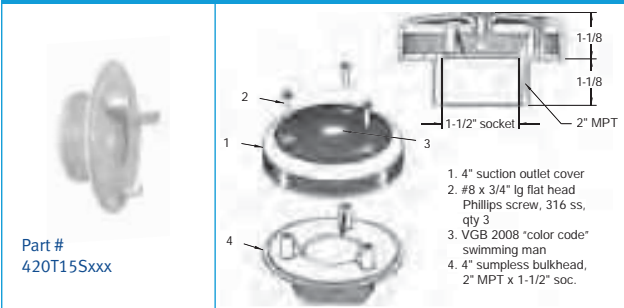
#### 4" Bulkhead Adapter with 2" Slip-Insider Sumless Fitting (sold separately)



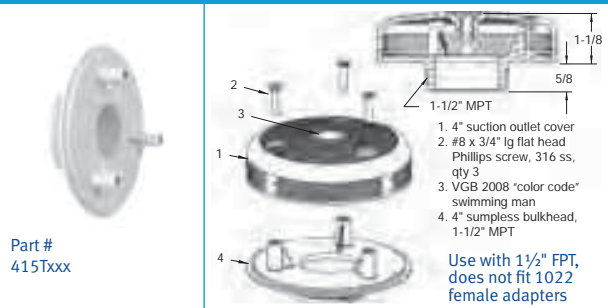
#### 4" Bulkhead Adapter with 1 1/2" Slip-Insider Sumless Fitting (sold separately)



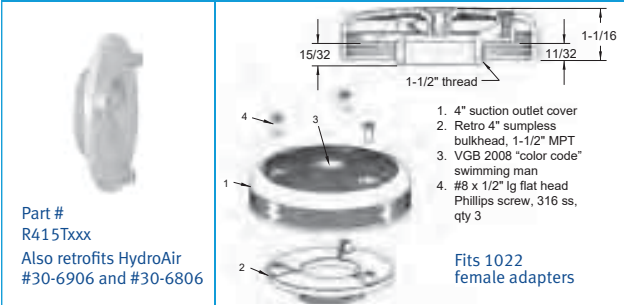
#### 4" Bulkhead Adapter with 2" Threaded x 1 1/2" Socket Sumless Fitting (sold separately)



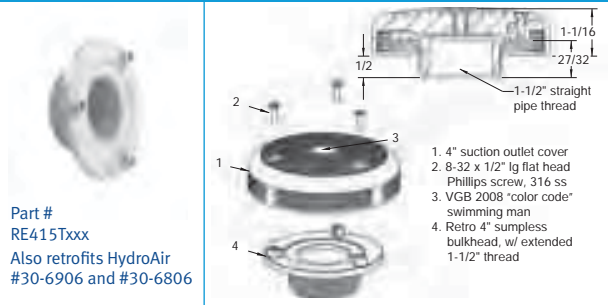
#### 4" Bulkhead Adapter with 1 1/2" Threaded Sumless Fitting (sold separately)



#### Retrofit 4" Bulkhead Adapter with 1 1/2" Threaded Sumless Fitting (sold separately)



#### Retrofit 4" Bulkhead Adapter with 1 1/2" Extended Threaded Sumless Fitting (sold separately)



# 6" ROUND HOCKEY PUCK SUMPLESS SUCTION OUTLET COVER, HYDROAIR/ITT REPLACEMENT

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use in gunite, steel, fiberglass and tile pools and spas (see installation instructions)

Single – sumless

Floor/wall (2" pipe): 224 GPM at 6.3 fps

Floor (1½" pipe): 177 GPM at 5.9 fps

Wall (1½" pipe): 122 GPM at 3.4 fps

Floor/wall: 53.3 GPM at 1.5 fps

Floor/wall: 35.5 GPM at 1.0 fps

10.4 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

See next page for eight adapter plates sold separately, available for sumless connections to 1022s, 1.5" female adapters, 1.5" and 2" inside and outside slip and threads as well as existing HydroAir wall fittings #10-6015S and 10-6304S (both with brass inserts)

Replace every five years from the date of installation

25 per case

## No sump required!



Part # 6HPHAxxx

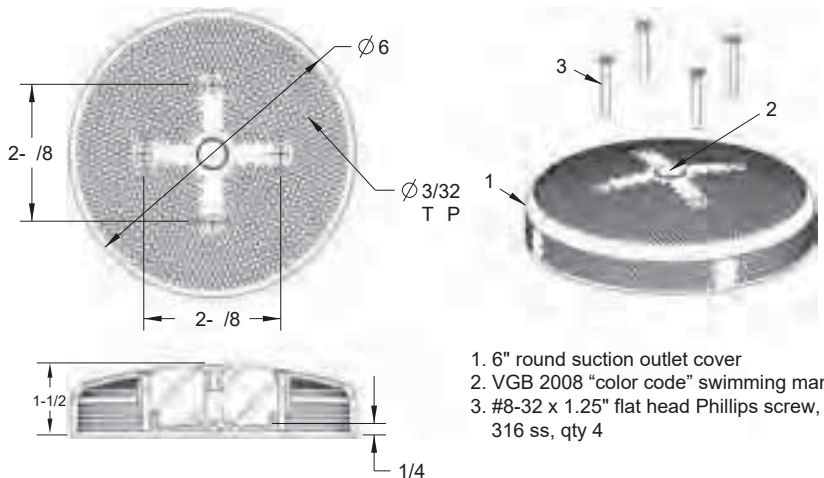
For fiberglass option, see page 104

### STANDARD COLORS

- 6HPHA101 – White
- 6HPHA102 – Black
- 6HPHA103 – Light Gray
- 6HPHA104 – Blue
- 6HPHA105 – Dark Gray
- 6HPHA108 – Tan

Can replace MaxFlow covers used with p/n 6HA25T20Sxxx

VGB 2008 Compliant



1. 6" round suction outlet cover
2. VGB 2008 "color code" swimming man
3. #8-32 x 1.25" flat head Phillips screw, 316 ss, qty 4

Retrofits to Sta-Rite/Pentair #8011 and AquaStar #4RNDxxx equalizer

## ADDITIONAL PRODUCT CONFIGURATIONS FOR 6HPHAXXX (sold separately) 25/case

<b>STANDARD COLORS</b>	<span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; background-color: white;"></span> 101	<span style="display: inline-block; width: 15px; height: 15px; background-color: black;"></span> 102	<span style="display: inline-block; width: 15px; height: 15px; background-color: #808080;"></span> 103	<span style="display: inline-block; width: 15px; height: 15px; background-color: #4169E1;"></span> 104	<span style="display: inline-block; width: 15px; height: 15px; background-color: #404040;"></span> 105	<span style="display: inline-block; width: 15px; height: 15px; background-color: #D2691E;"></span> 108
<b>Code Key:</b>	6 = for 6HPHAXXX	xxx = color	15 = 1 1/2", 20 = 2"	Soc. = socket, slip	SI = Slip Insider	
	HP = "hockey puck"	(i.e. 101 = white)	25 = 2 1/2"	Spg. = spigot, slip	T = Thread	

### 6" Bulkhead Adapter with 2 1/2" Thread and 2" Socket for Fiberglass/Steel, with Gasket and 2 1/2" Locking Nut (sold separately)

- 1. 6" P bulkhead fitting adapter
- 2. nut, 2-1/2" straight pipe thread
- 3. gasket, 2-1/2" thread

**Part #**  
6HA25T20Sxxx

### 6" Bulkhead Adapter with Extended 1 1/2" Threaded Sumpless Fitting (sold separately)

Use with flush mount 1 1/2" FPT, does not fit 1022 female adapters

- 1. 6" round suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
- 4. 6" sumpless bulkhead with extended 1-1/2" P

**Part #**  
6E15Txxx

### 6" Bulkhead Adapter with 1 1/2" Slip-Insider Sumpless Fitting (sold separately)

- 1. 6" round suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
- 4. 6" bulkhead with 1-1/2" slip-inside

**Part #**  
615Slxxx

### 6" Bulkhead Adapter with 1 1/2" Threaded Sumpless Fitting (sold separately)

Fits 1022 female adapters

- 1. 6" round suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
- 4. 6" sumpless bulkhead with 1-1/2" P

**Part #**  
615Txxx

### 6" Bulkhead Adapter with 2" Socket Sumpless Fitting (sold separately)

- 1. 6" suction outlet cover, hydro ir replacement
- 2. 2" socket sumpless fitting
- 3. VGB 2008 "color code" swimming man
- 4. spacer blocks, 6" round suction outlet, qty 4
- 5. #8 x 2.5" flat head Phillips screw, 316 ss, qty 4
- 6. 2" socket x 1-1/2" socket pipe reducer

**Part #**  
RNDxxx

### 6" Bulkhead Adapter with 2" Threaded x 1 1/2" Socket Sumpless Fitting (sold separately)

- 1. 6" suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. 6" sumpless bulkhead with 2" thread and 1-1/2" soc.
- 4. #8-32 x 1-1/4" flat head Phillips screw, qty 4

**Part #**  
620T15Sxxx

### 6" Bulkhead Adapter with 2 1/2" Threaded x 2" Socket Sumpless Fitting (sold separately)

- 1. 6" round suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. 6" sumpless bulkhead with 2-1/2" PT and 2" socket
- 4. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 4

**Part #**  
625T20Sxxx

### 6" Bulkhead Adapter with 2" Slip-Insider Sumpless Fitting (sold separately)

Also available as 1 1/2" slip insider p/n 615Slxxx

- 1. 6" round suction outlet cover
- 2. VGB 2008 "color code" swimming man
- 3. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
- 4. 6" sumpless bulkhead with 2" slip-insider

**Part #**  
620Slxxx

# 8" ROUND STAR ANTI-ENTRAPMENT SUCTION OUTLET COVER, SOLID RISER RING AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – sumpless:

Floor: 140 GPM at 2.8 fps

Wall: 84 GPM at 1.7 fps

Single – 3" minimum sump depth

Floor: 140 GPM at 2.8 fps

Wall: 84 GPM at 1.7 fps

Floor/wall: 75 GPM at 1.5 fps

Floor/wall: 50 GPM at 1.0 fps

16.0 square inch opening

Additional sump versions  
also available

Trademarked VGB compliance button  
easily identifies VGB 2008 compliant  
cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

24 per case

U.S. patent D621009

## No sump required!



Part # A8Rxxx

Fits: AquaStar (all standard 8" models), American, Pentair, Color Match, Waterway and most Custom Molded (CMP)

### STANDARD COLORS

□ A8R101 – White

■ A8R102 – Black

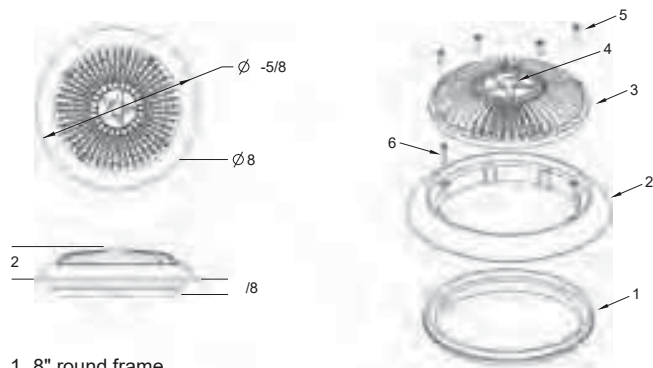
■ A8R103 – Light Gray

■ A8R104 – Blue

■ A8R105 – Dark Gray

■ A8R108 – Tan

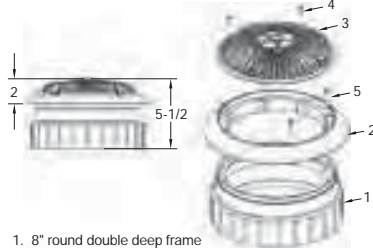
VGB 2008 Compliant



1. 8" round frame
2. 8" round riser ring
3. super high flow 8" round anti-entrapment cover
4. VGB 2008 "color code" swimming man
5. 10x0 5- P #10 x 3/4" flat-head Phillips Type screw, 316 ss, qty 4
6. 10x125- P #10 x 1-1/4" flat-head Phillips Type screw, 316 ss, qty 2

# ADDITIONAL PRODUCT CONFIGURATIONS FOR A8RXXX

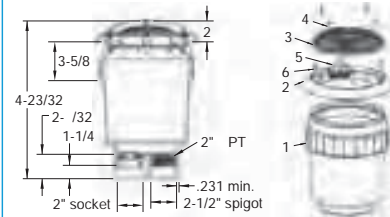
## Double-Deep Sump



Part # A8RxxxA  
4 per case

1. 8" round double deep frame
2. Riser ring, 8" round
3. Super high flow 8" round anti-entrapment cover
4. #10 x 3/4" flat head Phillips type-a screw, 316 ss, qty 4
5. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2

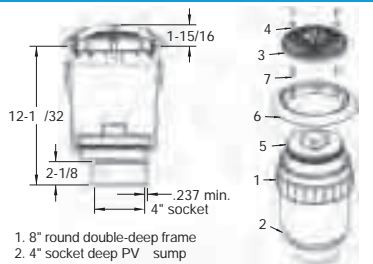
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump



Part # A8RxxxB  
4 per case

1. Dual-port 2-1/2" spigot x 2" socket deep PVC sump
2. Riser ring, 8" round
3. Super high flow 8" round anti-entrapment cover
4. #10 x 3/4" flat head Phillips type-a screw, 316 ss, qty 4
5. 2" PT port plug
6. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 4

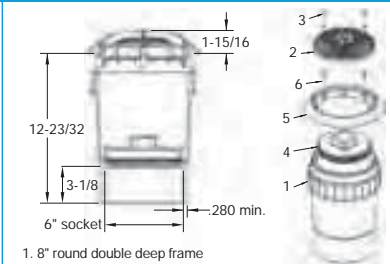
## 4" Socket Deep PVC Sump



Part # A8RxxxD  
4 per case

1. 8" round double-deep frame
2. 4" socket deep PVC sump
3. Super high flow 8" round anti-entrapment cover
4. 10 x 3/4" flat head Phillips screw, 316 ss, qty 4
5. 6" PT plug
6. Riser ring, 8" round
7. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2

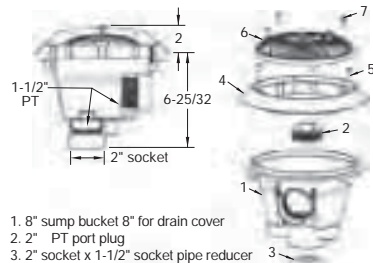
## 6" Socket Deep PVC Sump



Part # A8RxxxF  
4 per case

1. 8" round double deep frame
2. Super high flow 8" round anti-entrapment cover
3. 10 x 3/4" flat head Phillips screw, 316 ss, qty 4
4. 6" PT plug
5. Riser ring, 8" round
6. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2

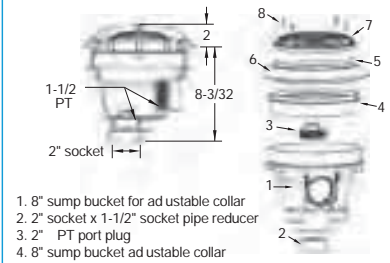
## Standard ABS Sump with 1 1/2" NPT and 2" Socket



Part # A8RSBxxx  
8 per case

1. 8" sump bucket for drain cover
2. 2" PT port plug
2. 2" socket x 1-1/2" socket pipe reducer
4. Riser ring, 8" round
5. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2
6. Super high flow 8" round anti-entrapment cover
7. #10 x 3/4" flat head Phillips type-a screw, 316 ss, qty 4

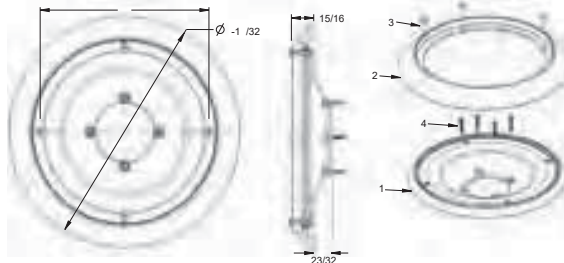
## Standard ABS Sump with Adjustable Collar, 1 1/2" NPT, 2" Socket



Part # A8RSBACxxx  
8 per case

1. 8" sump bucket for adjustable collar
2. 2" socket x 1-1/2" socket pipe reducer
2. 2" PT port plug
4. 8" sump bucket adjustable collar
5. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2
6. Riser ring, 8" round
7. Super high flow 8" round anti-entrapment cover
8. #10 x 3/4" flat head Phillips type-a screw, 316 ss, qty 4

## Retrofit Skimmer Equalizer Kit



Part # R8MHxxx  
25 per case

1. 8" to 4" adapter
2. Riser ring
3. #10-32 x 1-3/4" flat head Phillips screw, 316 ss, qty 4
4. #8 x 1" lg flat head Phillips screw, 316 ss, qty 4

Used with A8Rxxx to replace LP8AVMHxxx and 8HPMHxxx (sold separately)

# 8" ROUND LOW-PROFILE ANTI-ENTRAPMENT SUCTION OUTLET COVER, VENTED RISER RING AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

Single –

Floor: 100 GPM at 2.0 fps

Wall: 70 GPM at 1.7 fps

Floor/wall: 61.2 GPM at 1.5 fps

Floor/wall: 40.8 GPM at 1.0 fps

13.1 square inch opening

Additional sump versions  
also available

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

24 per case



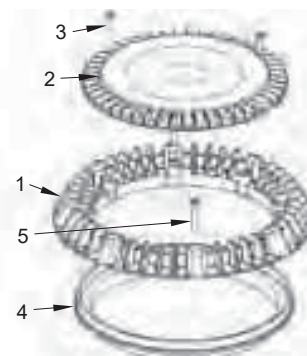
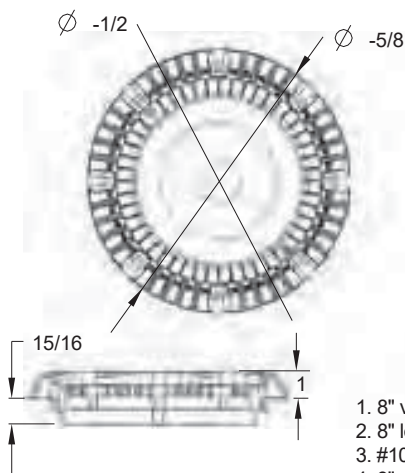
Part # LP8AVWRxxx

Fits: AquaStar (all standard 8" models), American, Pentair, Color Match, Waterway and most Custom Molded (CMP)

### STANDARD COLORS

- LP8AVWR101 – White
- LP8AVWR102 – Black
- LP8AVWR103 – Light Gray
- LP8AVWR104 – Blue
- LP8AVWR105 – Dark Gray
- LP8AVWR108 – Tan

VGB 2008 Compliant



1. 8" vented riser ring
2. 8" low profile anti-vortex cover
3. #10 x 3/4" flat head Phillips screw, 316 ss, qty 2
4. 8" round anti-entrapment frame
5. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 2



# ADDITIONAL PRODUCT CONFIGURATIONS FOR LP8AVWRXXX

## Double-Deep Sump

1. 8" round double deep frame  
 2. 8" vented riser ring  
 3. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 2  
 4. 8" low-profile anti-entrapment suction outlet  
 5. #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 2

Part #  
 LP8AVWRxxxA  
 4 per case

## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

1. 8" round double deep frame  
 2. 8" vented riser ring  
 3. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 4  
 4. dual-port 2-1/2" spigot x 2" socket deep PV sump  
 5. 2-2" tapered pipe thread plug  
 6. 8" low profile anti-entrapment suction outlet  
 . #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 2

Part #  
 LP8AVWRxxxB  
 4 per case

## 4" Socket Deep PVC Sump

1. 8" round double-deep frame  
 2. 8" vented riser ring  
 3. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 2  
 4. 4" socket deep PV sump  
 5. 8" low-profile anti-entrapment suction outlet  
 6. #10 x 3/4" flat head Phillips screw, 316 ss, qty 2  
 7. 6" PT plug

Part #  
 LP8AVWRxxxD  
 4 per case

## 6" Socket Deep PVC Sump

1. 8" round double-deep frame  
 2. 8" vented riser ring  
 3. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 2  
 4. 6" socket deep PV sump  
 5. 8" low-profile anti-entrapment suction outlet  
 6. #10 x 3/4" flat head Phillips screw, 316 ss, qty 2  
 7. 6" PT plug

Part #  
 LP8AVWRxxxF  
 4 per case

## Standard ABS Sump with 1 1/2" NPT and 2" Socket

1. 8" sump bucket for 8" drain cover  
 2. 8" vented riser ring  
 3. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2  
 4. 8" low-profile anti-entrapment suction outlet  
 5. #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 2  
 6. 2" socket x 1-1/2" socket pipe reducer  
 7. 2" PT plug

Part #  
 LP8SBWRxxx  
 8 per case

## Standard ABS Sump with Adjustable Collar, 1 1/2" NPT, 2" Socket

1. 8" sump bucket for adjustable collar  
 2. 2" socket x 1-1/2" socket pipe reducer  
 3. 2" PT port plug  
 4. 8" sump bucket for adjustable collar  
 5. 8" vented riser ring  
 6. #10 x 1-1/4" flat head Phillips type-a screw, 316 ss, qty 2  
 7. 8" low-profile anti-entrapment suction outlet  
 8. #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 2

Part #  
 LP8SBACWRxxx  
 8 per case

# 8" ROUND MOFLOW™ SUCTION OUTLET COVER AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single –

Floor: 166 GPM at 3.2 fps  
Wall: 113 GPM at 2.2 fps

Floor/wall: 77.8 GPM at 1.5 fps  
Floor/wall: 51.9 GPM at 1.0 fps

16.6 square inch opening

Additional sump and frame versions  
also available

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

36 per case



Fits: AquaStar (all standard 8" models), American, Pentair,  
Color Match, Waterway and most Custom Molded (CMP).  
At least two mud frame screws must be used to secure cover.

Part # 8MFxxx

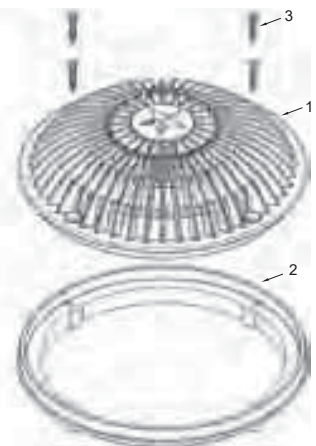
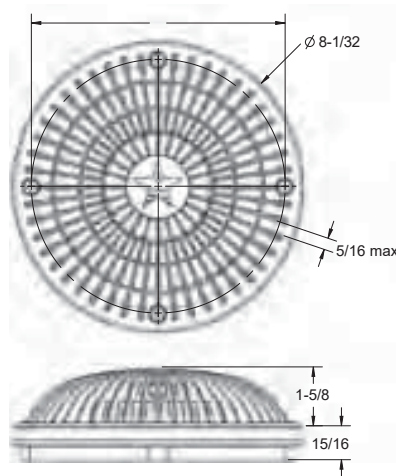
For vinyl option, see page 105

### STANDARD COLORS

- 8MF101 – White
- 8MF102 – Black
- 8MF103 – Light Gray
- 8MF104 – Blue
- 8MF105 – Dark Gray
- 8MF108 – Tan

Replaces p/n  
8AVWRxxx, 8HPxxx and 8FUWxxx

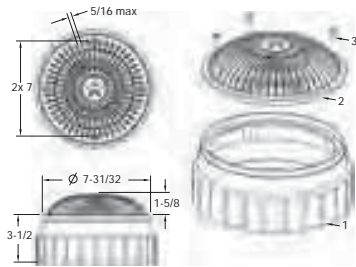
VGB 2008 Compliant



1. 8" round Mo low suction outlet cover
2. 8" round mud frame
3. #10 x 1" lg flat head Phillips  
Type screw, 316 ss, qty 4

# ADDITIONAL PRODUCT CONFIGURATIONS FOR 8MFXXX

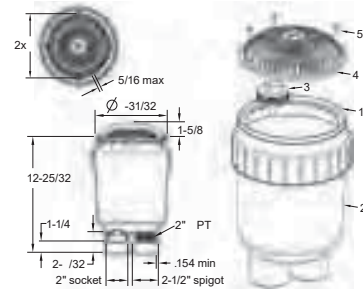
## Double-Deep Sump



1. 8" round double deep frame
2. 8" Mo low suction outlet cover
3. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFxxxA  
4 per case

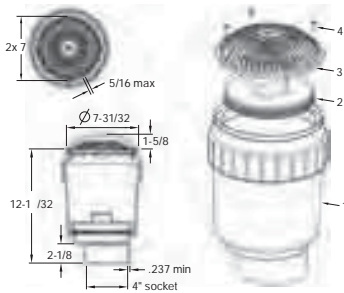
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump



1. 8" round double deep frame
2. Dual-port 2-1/2" spigot x 2" socket deep PV sump
3. 2" tapered pipe thread plug
4. 8" Mo low suction outlet cover
5. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFxxxB  
4 per case

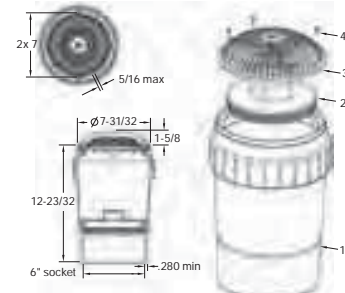
## 4" Socket Deep PVC Sump



1. 4" socket deep PV sump
2. 4" PT plug, deep sump bucket
3. 8" Mo low suction outlet cover
4. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFxxxD  
4 per case

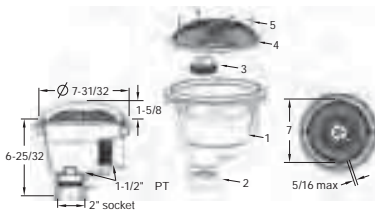
## 6" Socket Deep PVC Sump



1. 6" socket deep PV sump
2. 4" PT plug, deep sump bucket
3. 8" Mo low suction outlet cover
4. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFxxxF  
4 per case

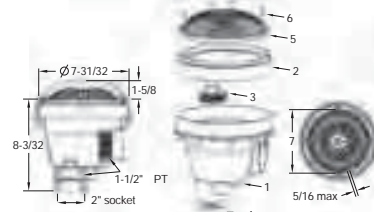
## Standard ABS Sump with 1 1/2" NPT and 2" Socket



1. 8" sump bucket for 8" drain cover
2. 2" socket x 1-1/2" socket pipe reducer
3. 2" PT port plug
4. 8" Mo low suction outlet cover
5. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFSBxxx  
8 per case

## Standard ABS Sump with Adjustable Collar, 1 1/2" NPT, 2" Socket



1. 8" sump bucket for adjustable collar
2. 8" sump bucket adjustable collar
3. 2" PT port plug
4. 2" socket x 1-1/2" socket pipe reducer
5. 8" Mo low suction outlet cover
6. #10 x 1" flat head Phillips screw, 316 ss, qty 4

Part #  
8MFSBACxxx  
8 per case

# 8" ROUND RETROFIT MOFLOW™ SUCTION OUTLET COVER WITH SCREW AND BUSHING KIT

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use in existing frames and sumps  
3" sump depth  
(see installation instructions)

Single –

Floor: 146 GPM at 2.9 fps  
Wall: 130 GPM at 2.6 fps

Floor/wall: 75.3 GPM at 1.5 fps  
Floor/wall: 50.2 GPM at 1.0 fps

16.1 square inch opening

Three sets of different stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Easily and safely retrofits most brands' existing 8" frames and sumps that the 8MFxxx does not fit

Meets or exceeds ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing

Replace every five years from the date of installation

32 per case



Part # R8MFxxx

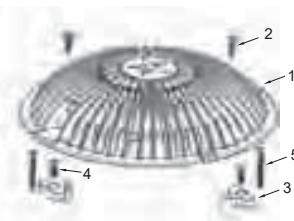
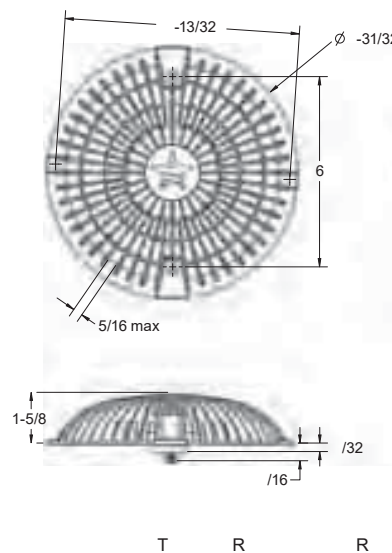
Fits: AquaStar "R" 8" models, Alloy Brass Foundry (ABF), Afras, Splash, Sta-Rite, Swimquip, Caretaker/Polaris, Advanced (APP), Hayward and certain Custom Molded (CMP). At least two mud frame screws must be used to secure cover.

### STANDARD COLORS

- R8MF101 – White
- R8MF102 – Black
- R8MF103 – Light Gray
- R8MF104 – Blue
- R8MF105 – Dark Gray
- R8MF108 – Tan

Replaces RLP8AVxxx/R8HPxxx

VGB 2008 Compliant



1. 8" round retrofit Mo low suction outlet cover
2. #10 x 3/4" lg flat head Phillips Type screw, 316 ss, qty 2
3. 8" round retrofit suction outlet adapter, qty 2
4. 10-24 x 1/2" flat head machine screw, 316 ss, qty 2
5. #10 x 1" lg flat head Phillips Type screw, 316 ss, qty 2
6. #8 x 5/8" lg pan head Phillips Type , 316 ss, qty 2

T R R R R T T

# 10" ROUND STAR SUMPLESS SUCTION OUTLET COVER, UNIVERSAL ADAPTER KIT AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions)

Single – sumpless:  
 Floor/wall: 170 GPM at 1.7 fps  
 Floor/wall: 147.3 GPM at 1.5 fps  
 Floor/wall: 98.2 GPM at 1.0 fps

31.5 square inch opening

For retrofit or new construction!

Available with mud frame for new construction or with universal adapter frame to retrofit all existing frames/sumps up to 10" round

Trademarked VGB compliance button easily identifies VGB 2008 compliance from pool/spa deck

Manufactured from superior UV-resistant engineered polymer

Can be used with Brass Anchor Kit p/n BIK4 for odd-sized or non-structured frames/sump

All components (cover, adapter plate, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

#316 stainless steel screws

Replace every five years from the date of installation

6 per case

### No sump required!

Retrofits over all sumps/frames up to 10" using included plastic concrete anchors



Part # A10RCFRxxx

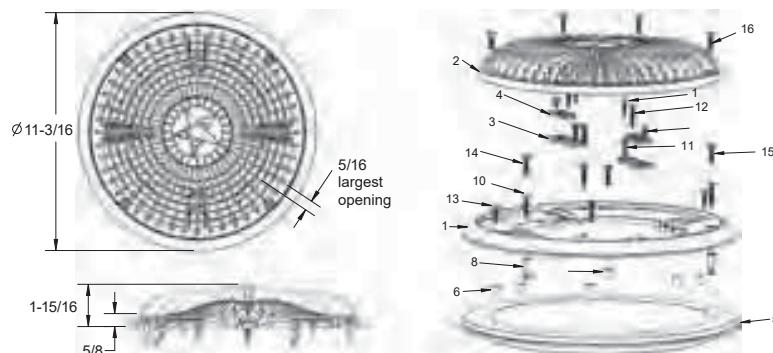
For vinyl option, see page 106

### STANDARD COLORS

- A10RCFR101 – White
- A10RCFR102 – Black
- A10RCFR103 – Light Gray
- A10RCFR104 – Blue
- A10RCFR105 – Dark Gray
- A10RCFR108 – Tan

Also available as a Contractor's 2-Pack without Retrofit Kit, with Mud Frame p/n A10RCFR2xxx

VGB 2008 Compliant



- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. 10" universal adapter frame</li> <li>2. 10" round suction outlet drain</li> <li>3. 1/4" x 1" adjustable long slide, qty 2</li> <li>4. 1/4" x 1" adjustable short slide, qty 2</li> <li>5. 10" super low profile round frame</li> <li>6. 3/8" bushing, qty 4</li> <li>7. 1/4" bushing, qty 2</li> <li>8. 1/4" concrete anchor, qty 3</li> <li>9. 10-32 x 5/16" lg pan head Phillips, 316 ss, qty 2</li> </ol> | <ol style="list-style-type: none"> <li>10. #10 x 1" lg pan head Phillips, 316 ss, qty 3</li> <li>11. 10-24 x 1/8" lg pan head Phillips, 316 ss, qty 2</li> <li>12. #8 x 1" lg pan head Phillips, 316 ss, qty 2</li> <li>13. #10 x 3/4" lg pan head Phillips, 316 ss, qty 2</li> <li>14. 10-32 x 3/4" lg pan head Phillips, 316 ss, qty 3</li> <li>15. 8-32 x 3/4" lg pan head Phillips, 316 ss, qty 2</li> <li>16. 10-32 x 3/4" lg flat head Phillips, 316 ss, qty 4</li> </ol> <p>1. #8 x 3/4" lg pan head Phillips, 316 ss, qty 2</p> <p>not all screws and hardware used for all installations</p> |
|--|---|

# 10" ROUND MOFLOW™ SUCTION OUTLET COVER AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single –

Floor: 158 GPM at 1.6 fps  
Wall: 162 GPM at 1.7 fps

Floor/wall: 146.3 GPM at 1.5 fps  
Floor/wall: 97.6 GPM at 1.0 fps

31.3 square inch opening

Additional sump versions  
also available

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

8 per case



Part # 10MFxxx

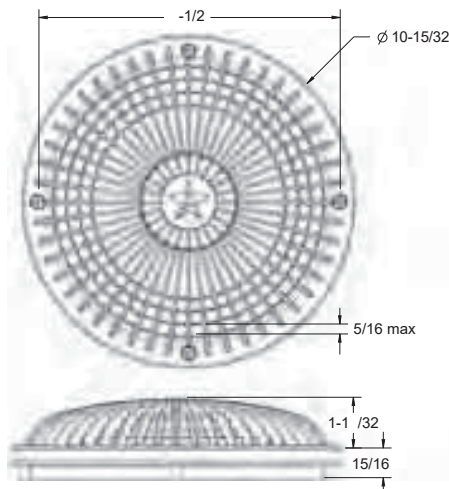
Fits: AquaStar (all standard 10" models),  
Waterway and Color Match (CMP).  
At least two mud frame screws must be used to secure cover.

### STANDARD COLORS

- 10MF101 – White
- 10MF102 – Black
- 10MF103 – Light Gray
- 10MF104 – Blue
- 10MF105 – Dark Gray
- 10MF108 – Tan

Replaces p/n 10AVWRxxx

VGB 2008 Compliant

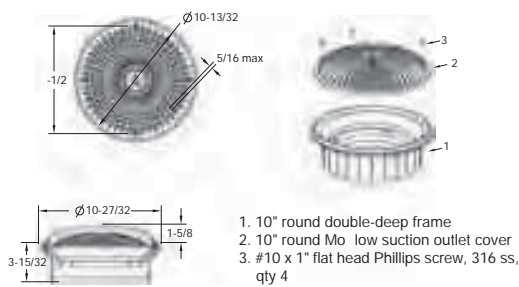


1. 10" round Mo low suction outlet cover
2. 10" round mud frame
3. #10 x 1" lg flat head Phillips Type screw, 316 ss, qty 4

# ADDITIONAL PRODUCT CONFIGURATIONS FOR 10MFXXX

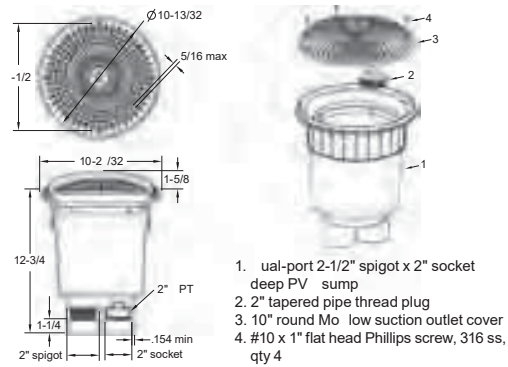
## Double-Deep Sump

Part #  
10MFxxxA  
4 per case



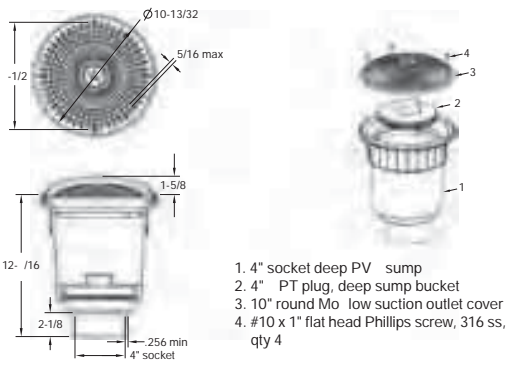
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
10MFxxxB  
4 per case



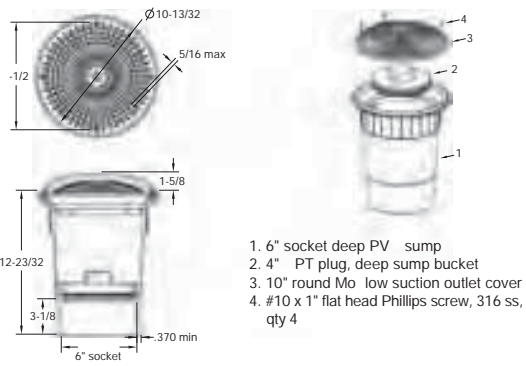
## 4" Socket Deep PVC Sump

Part #  
10MFxxxD  
4 per case



## 6" Socket Deep PVC Sump

Part #  
10MFxxxF  
4 per case



# 10" ROUND ANTI-ENTRAPMENT SUCTION OUTLET COVER, SOLID RISER RING AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

#### Single

Floor: 166 GPM at 4.8 fps  
Wall: 96 GPM at 2.8 fps

Floor/wall: 53 GPM at 1.5 fps  
Floor/wall: 34.9 GPM at 1.0 fps

11.2 square inch opening

Additional sump versions  
also available

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

8 per case



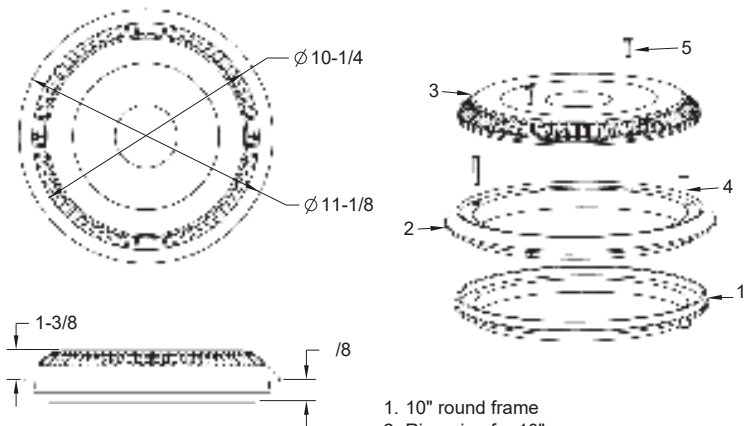
Part # 10AVRxxx

Fits: AquaStar (all standard 10" models), Waterway and Color Match

### STANDARD COLORS

- 10AVR101 – White
- 10AVR102 – Black
- 10AVR103 – Light Gray
- 10AVR104 – Blue
- 10AVR105 – Dark Gray
- 10AVR108 – Tan

VGB 2008 Compliant



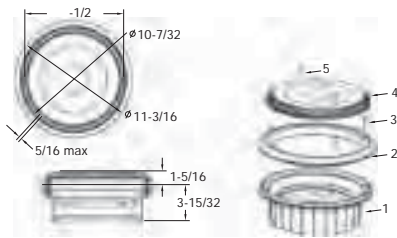
1. 10" round frame
2. Riser ring for 10" cover
3. 10" anti-entrapment suction outlet cover
4. #10 x 1-1/4" flat-head Phillips Type screw, 316 ss, qty 2
5. #10 x 3/4" flat-head Phillips Type screw, 316 ss, qty 2



# ADDITIONAL PRODUCT CONFIGURATIONS FOR 10AVRXXX

## Double-Deep Sump

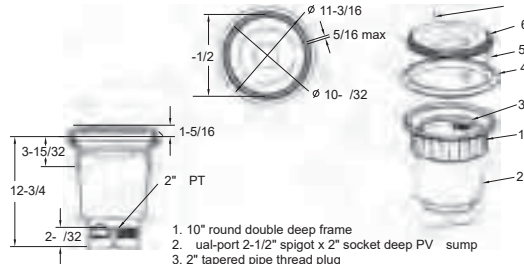
Part #  
10AVRxxxA  
4 per case



1. 10" round double deep frame
2. Riser ring for 10" cover
3. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 4
4. 10" anti-entrapment suction outlet cover
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 2

## Dual-Port 2-1/2" Spigot x 2" Socket Deep PVC Sump

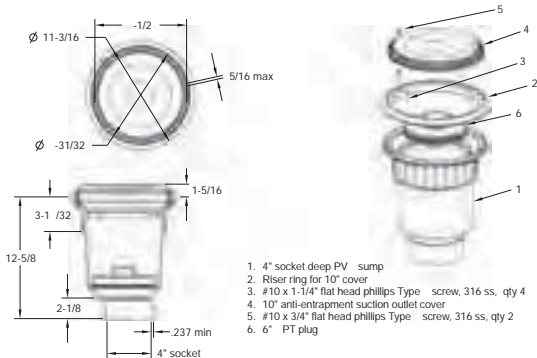
Part #  
10AVRxxxB  
4 per case



1. 10" round double deep frame
2. Dual-port 2-1/2" spigot x 2" socket deep PV sump
3. 2" tapered pipe thread plug
4. Riser ring for 10" cover
5. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 4
6. 10" anti-entrapment suction outlet cover
- . #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 2

## 4" Socket Deep PVC Sump

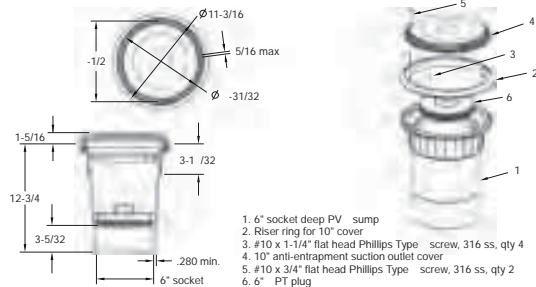
Part #  
10AVRxxxD  
4 per case



1. 4" socket deep PV sump
2. Riser ring for 10" cover
3. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 4
4. 10" anti-entrapment suction outlet cover
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 2
6. 6" PT plug

## 6" Socket Deep PVC Sump

Part #  
10AVRxxxF  
4 per case



1. 6" socket deep PV sump
2. Riser ring for 10" cover
3. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 4
4. 10" anti-entrapment suction outlet cover
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 2
6. 6" PT plug

# 10" ROUND DEBRIS CATCHER ANTI-ENTRAPMENT SUCTION OUTLET COVER AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

#### Single

Floor only – with Sun Lid:  
60 GPM at 0.7 fps

Floor only – without Sun Lid:  
125 GPM at 1.4 fps

Floor only:  
137.5 GPM at 1.5 fps  
91.6 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

29.4 square inch opening

Additional sump versions also available

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing

Replace every five years from the date of installation

6 per case

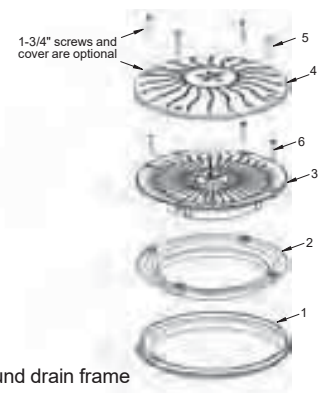
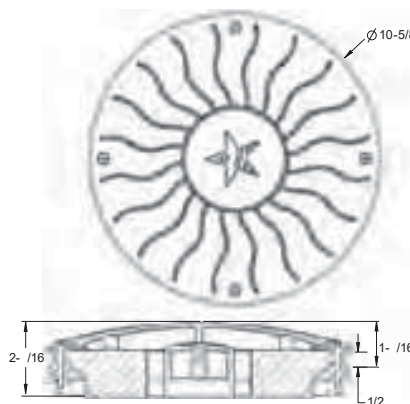


Part # 10LTxxx

### STANDARD COLORS

- 10LT101 – White
- 10LT102 – Black
- 10LT103 – Light Gray
- 10LT104 – Blue
- 10LT105 – Dark Gray
- 10LT108 – Tan

VGB 2008 Compliant

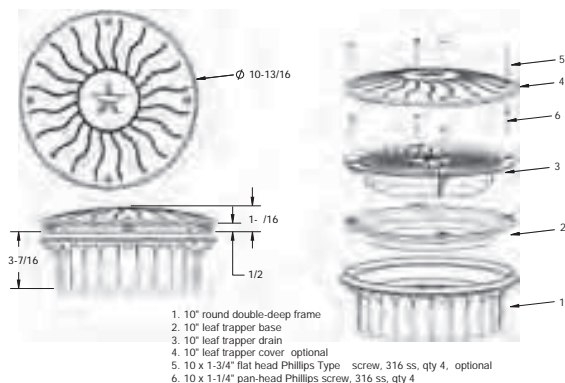


1. 10" round drain frame
2. 10" leaf trapper base
3. 10" leaf trapper drain
4. 10" leaf trapper cover
5. 10 x 1-3/4" flat head Phillips Type screw, 316 ss, qty 4
6. 10 x 1-1/4" pan-head Phillips screw, 316 ss, qty 4

# ADDITIONAL PRODUCT CONFIGURATIONS FOR 10LTXXX

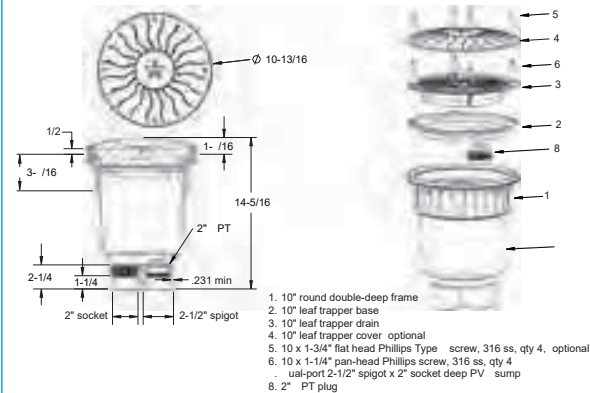
## Double-Deep Sump

Part #  
10LTxxxA  
4 per case



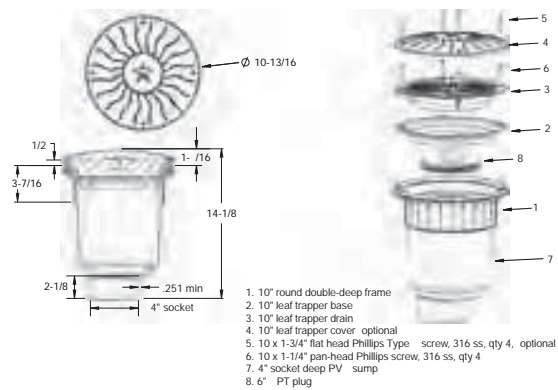
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
10LTxxxB  
4 per case



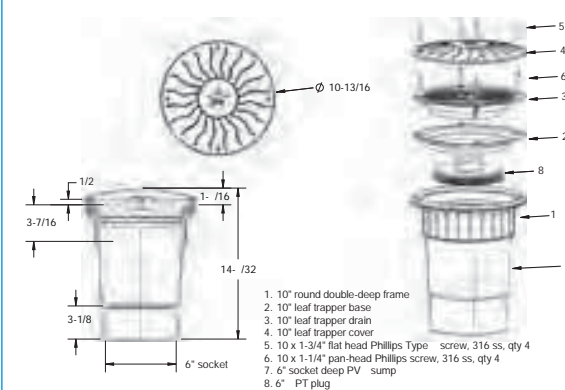
## 4" Socket Deep PVC Sump

Part #  
10LTxxxD  
4 per case



## 6" Socket Deep PVC Sump

Part #  
10LTxxxF  
4 per case



# 9" SQUARE MOFLOW™ SUCTION OUTLET COVER AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single –  
Floor: 258 GPM at 2.3 fps  
Wall: 274 GPM at 2.4 fps

Floor/wall: 172 GPM at 1.5 fps  
Floor/wall: 114.7 GPM at 1.0 fps

36.8 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

Easily and safely retrofits to 9" square 3/4" deep frames

Additional sump versions also available

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components (cover, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

8 per case



Part # 9MFxxx

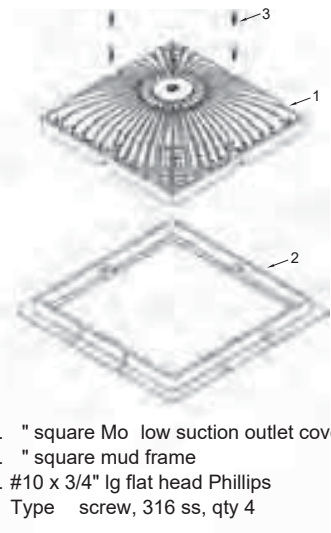
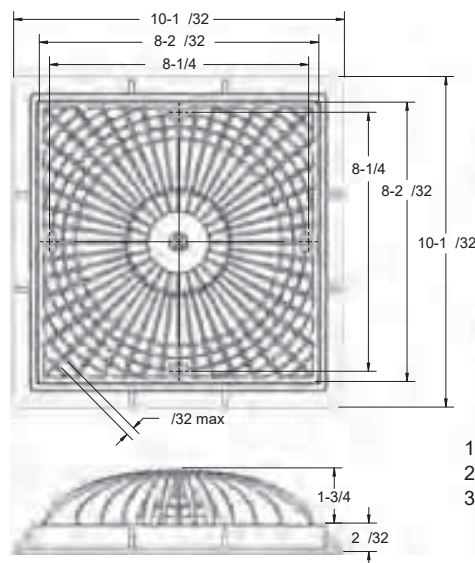
Fits: AquaStar (all standard 9" square), Pentair (#1 selling) with 3/4" deep existing frames and four screw hole pattern

### STANDARD COLORS

- 9MF101 – White
- 9MF102 – Black
- 9MF103 – Light Gray
- 9MF104 – Blue
- 9MF105 – Dark Gray
- 9MF108 – Tan

Replaces p/n P9xxx

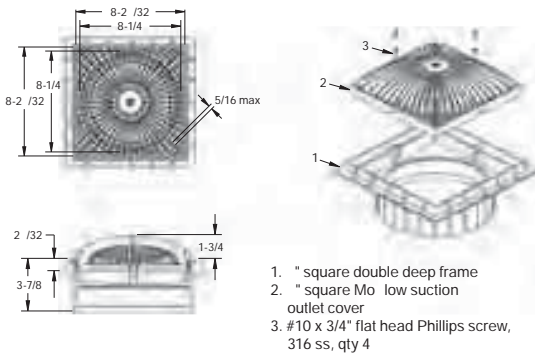
VGB 2008 Compliant



# ADDITIONAL PRODUCT CONFIGURATIONS FOR 9MFXXX

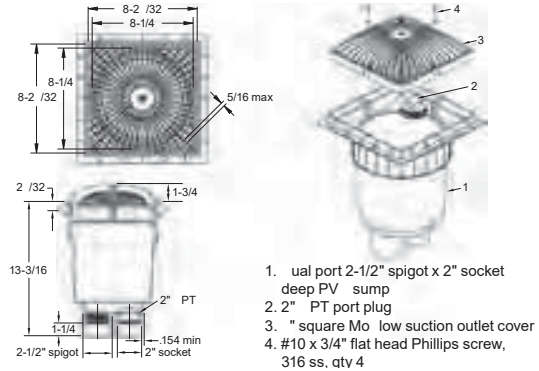
## Double-Deep Sump

Part #  
9MFxxxA  
4 per case



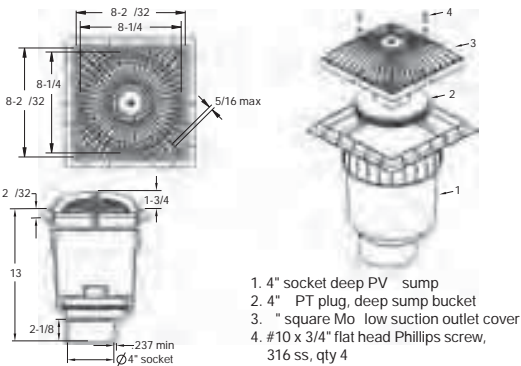
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
9MFxxxB  
2 per case



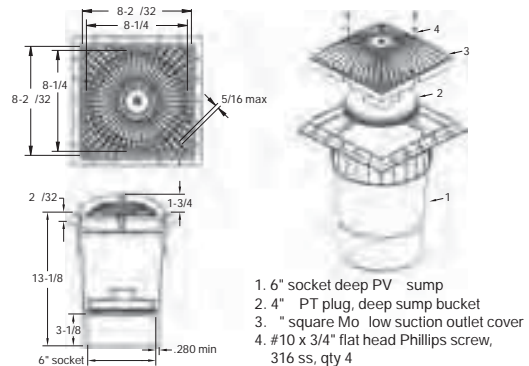
## 4" Socket Deep PVC Sump

Part #  
9MFxxxD  
2 per case



## 6" Socket Deep PVC Sump

Part #  
9MFxxxF  
2 per case



# 9" SQUARE WAVE ANTI-ENTRAPMENT SUCTION OUTLET COVER, VENTED RISER RING AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

Single –  
Floor/wall: 224 GPM at 1.5 fps  
Floor/wall: 150.9 GPM at 1.0 fps

48.4 square inch opening

Easily and safely retrofits most brands' existing 9" square 3/4" deep frames\*

Additional sump versions also available

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

8 per case

U.S. patents D623727 and D663388



Part # WAV9WRxxx

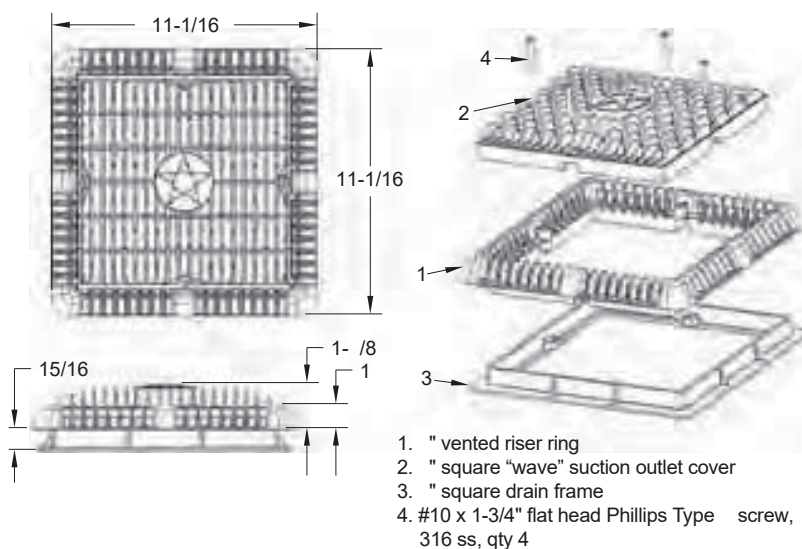
\*Fits: AquaStar (all standard 9" square), Pentair (#1 selling) with 3/4" deep existing frames and four screw hole pattern

### STANDARD COLORS

- WAV9WR101 – White
- WAV9WR102 – Black
- WAV9WR103 – Light Gray
- WAV9WR104 – Blue
- WAV9WR105 – Dark Gray
- WAV9WR108 – Tan

Replaces p/n P9xxx

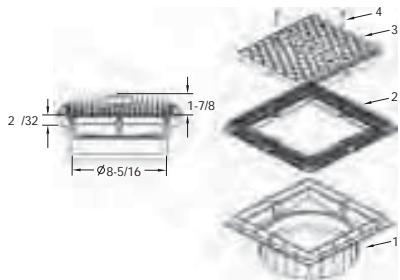
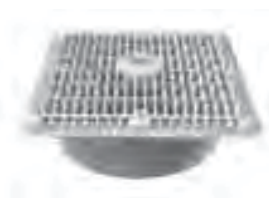
VGB 2008 Compliant



# ADDITIONAL PRODUCT CONFIGURATIONS FOR WAV9WRXXX

## Double-Deep Sump

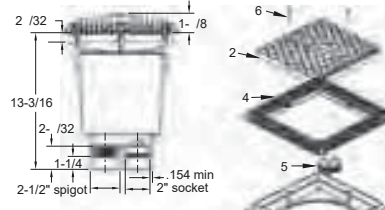
Part #  
WAV9WRxxxA  
4 per case



1. " square double deep frame
2. " vented riser ring
3. " square "wave" suction outlet cover
4. #10 x 1-3/4" flat head Phillips Type screw, 316 ss, qty 4

## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

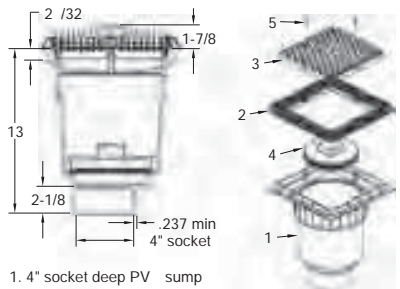
Part #  
WAV9WRxxxB  
2 per case



1. dual-port 2-1/2" spigot x 2" socket deep PV sump
2. " square "wave" suction outlet cover
3. " square double deep frame
4. " vented riser ring
5. 2" PT port plug
6. #10 x 1-3/4" flat head Phillips Type screw, 316 ss, qty 4

## 4" Socket Deep PVC Sump

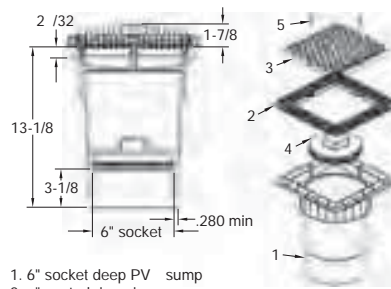
Part #  
WAV9WRxxxD  
2 per case



1. 4" socket deep PV sump
2. " vented riser ring
3. " square "wave" suction outlet cover
4. 6" PT plug
5. 10 x 1-3/4" lg flat head Phillips screw, 316 ss, qty 4

## 6" Socket Deep PVC Sump

Part #  
WAV9WRxxxF  
2 per case



1. 6" socket deep PV sump
2. " vented riser ring
3. " square "wave" suction outlet cover
4. 6" PT plug
5. 10 x 1-3/4" lg flat head Phillips screw, 316 ss, qty 4

# 14" SQUARE ANTI-ENTRAPMENT SUCTION OUTLET COVER FOR 9" SQUARE RETROFITS OR NEW CONSTRUCTION

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

Single –

Floor: 560 GPM at 2.1 fps

Wall: 300 GPM at 1.2 fps

Floor/wall: 394 GPM at 1.5 fps

Floor/wall: 261.8 GPM at 1.0 fps

84 square inch opening

Retrofit adapter frame easily and safely retrofits most brands' existing 9" mud frame with epoxy or screws or both; cover anchors into in-molded brass inserts in frame with four fine thread machine screws

Ideal for retrofitting over all existing sumps/frames up to 13" by anchoring directly into pool finish (plaster, tile, fiberglass, etc.) using four brass anchors and stainless screws in kit #BIK4

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

6 per case

### NEW CONFIGURATION

Retrofits over all existing sumps/frames up to 13"



Mud frame



Retrofit adapter frame for 3/4" deep 9" square retrofits



Retrofit adapter frame for 1" deep 9" square retrofits






Optional – extra screw holes for anchoring directly into pool finish using four brass anchor kit part # BIK4



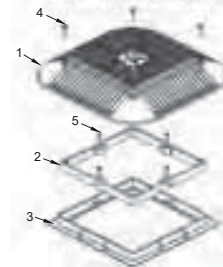
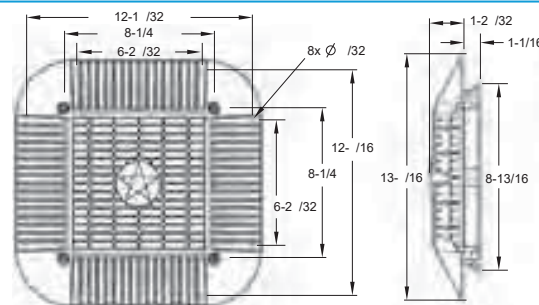
Part # 914xxx

### STANDARD COLORS

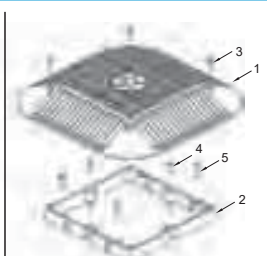
-  914101 – White
-  914102 – Black
-  914103 – Light Gray
-  914104 – Blue
-  914105 – Dark Gray
-  914108 – Tan

Replaces RWAV9xxx and RFS9xxx

VGB 2008 Compliant



1. 14" x 14" to " x " square anti-entrapment cover
2. 14" x 14" to " x " square adapter
3. " flat square drain frame
4. 10-32 x 1" pan head Phillips screw, ss, qty 4
5. #10 x 3/4" lg flat head Phillips screw, qty 4



1. 14" x 14" to " x " square anti-entrapment cover
2. 14" x 14" to " x " square retro adapter frame
3. 10-32 x 1" pan head Phillips screw, ss, qty 4
4. #10 x 3/4" lg flat head Phillips screw, qty 4
5. 10-24 x 1-1/4" flat head Phillips screw, ss, qty 4

Also includes not shown  
10x1" flat head Phillips screw, ss, qty 4  
10x1-1/2" flat head Phillips screw, ss, qty 4



# ADDITIONAL PRODUCT CONFIGURATIONS FOR 914XXX

## Double-Deep Sump

Technical drawing showing dimensions: 2 /32, 1-15/16, 3-27/32, 4, 5, 3, 1.

- 1" square double deep frame
- 14" square anti-entrapment cover
- 1" square to 14" square adapter
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- #10 x 3/4" flat head Phillips screw, 316 ss, qty 4

Part # 914xxxA  
2 per case

## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Technical drawing showing dimensions: 2 /32, 1-15/16, 3-2 /32, 3-3/16, 2- /32 1-1/4, 2-1/2" spigot, 2" socket, .154" min, 2" PT, 6, 2, 3, 4, 5, 1.

- Dual-port 2-1/2" spigot x 2" socket deep PVC sump
- 14" square anti-entrapment cover
- 1" square to 14" square adapter
- 2" tapered pipe thread plug
- #10 x 3/4" flat head Phillips screw, 316 ss, qty 4
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4

Part # 914xxxB  
1 per case

## 4" Socket Deep PVC Sump

Technical drawing showing dimensions: 2 /32, 1-15/16, 3-27/32, 2-23/32, 1-27/32, .237 min, 4" socket, 4, 2, 3, 5, 6, 1.

- 4" socket deep PVC sump
- 14" square anti-entrapment cover
- 1" square to 14" square adapter
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- #10 x 3/4" flat head Phillips screw, 316 ss, qty 4
- 6" PT plug

Part # 914xxxD  
1 per case

## 6" Socket Deep PVC Sump

Technical drawing showing dimensions: 2 /32, 1-15/16, 3-27/32, 13-1/8, 3-1/8, 6" socket, .280 min, 4, 2, 3, 5, 6, 1.

- 6" socket deep PVC sump
- 14" square anti-entrapment cover
- 1" square to 14" square adapter
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- #10 x 3/4" flat head Phillips screw, 316 ss, qty 4
- 6" PT plug

Part # 914xxxF  
1 per case

## Mud Frame

Dimensions: 4x  $\phi$  5/32, 4x 1/2, 7-2 /32, 8-1/4, 10-17/32, 10-17/32, 7-2 /32, 8-1/4, 10-17/32, 2 /32, 3/4, 4x 3/8.

Part # 9FRxxx  
20 per case

## Retrofit Adapter Frame for 3/4" deep 9" square retrofits

Dimensions: 8-15/16, 8-1/4, 4x  $\phi$  /32  $\nabla$   $\phi$  1/2, 8-1/4, 8-15/16, 8-1/4, 3/8, 3/4.

Part # 914FRxxx  
12 per case

## Retrofit Adapter Frame for 1" deep 9" square retrofits

Dimensions: 8x  $\phi$  /32  $\nabla$   $\phi$  1/2, 8-1/4, 2x 5-25/32, 2x 8-3/16, 8-1/4, 1-11/16, 11/16.

Part # R914FRxxx  
12 per case

# 9" SQUARE RETROFIT MOFLOW™ SUCTION OUTLET COVER WITH SCREW AND BUSHING KIT

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single –  
Floor: 258 GPM at 2.3 fps  
Wall: 274 GPM at 2.5 fps

Floor/wall: 167.4 GPM at 1.5 fps  
Floor/wall: 111.6 GPM at 1.0 fps

35.8 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Easily and safely retrofits to most brands' 1" deep existing frames

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

6 per case



Part # R9MFxxx

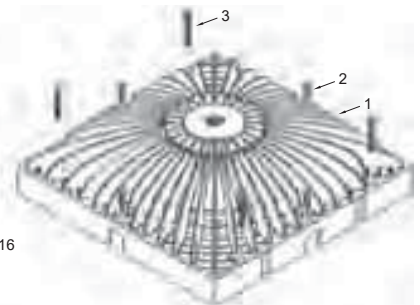
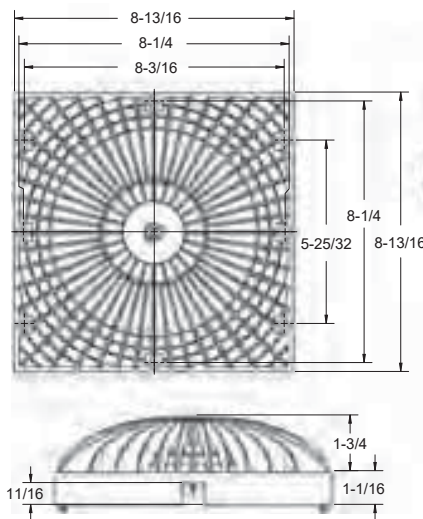
Fits: AquaStar "R" 9" models, Hayward, Waterway, American (Pentair #2 selling), PacFab with 1" deep existing frames and four screw hole pattern

### STANDARD COLORS

- R9MF101 – White
- R9MF102 – Black
- R9MF103 – Light Gray
- R9MF104 – Blue
- R9MF105 – Dark Gray
- R9MF108 – Tan

Replaces RFS9xxx

**VGB 2008 Compliant**



1. 9" square retrofit MoFlow suction outlet cover
2. 10-24 x 1-1/4" lg flat head Phillips machine screw, 316 ss, qty 4
3. #10 x 1" lg flat head Phillips Type screw, 316 ss, qty 4

# 12" SQUARE RETROFIT MOFLOW™ SUCTION OUTLET COVER

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – 3" sump depth  
Floor: 274 GPM at 1.3 fps  
Wall: 278 GPM at 1.3 fps

Floor/wall: 323.1 GPM at 1.5 fps  
Floor/wall: 215.4 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

69.1 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Easily and safely retrofits to most brands' 1" deep existing frames

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

10 per case



Part # R12MFxxx

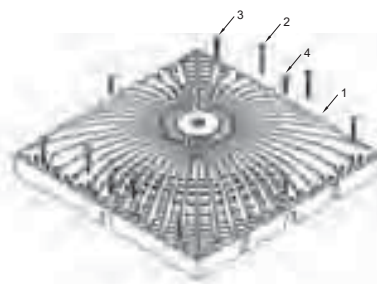
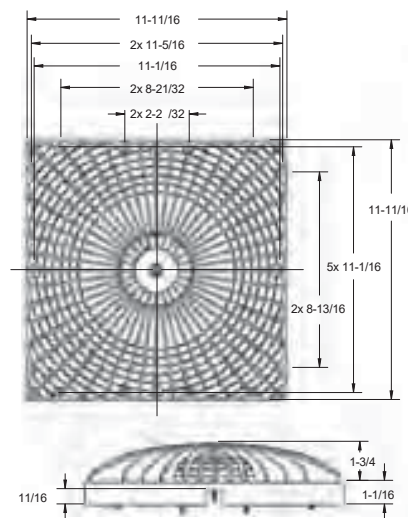
Fits: AquaStar "R" 12" models, Hayward, Waterway, American (Pentair #2 selling), PacFab with 1" deep existing frames and four screw hole pattern

### STANDARD COLORS

- R12MF101 – White
- R12MF102 – Black
- R12MF103 – Light Gray
- R12MF104 – Blue
- R12MF105 – Dark Gray
- R12MF108 – Tan

Replaces RFS12xxx

VGB 2008 Compliant



1. 12" square retrofit Mo low suction outlet cover
2. 10 x 1-1/2" lg flat head Phillips Type screw, 316 ss, qty 4
3. 10-24 x 1-1/4" lg flat head Phillips machine screw, 316 ss, qty 4
4. #10 x 1" lg flat head Phillips Type screw, 316 ss, qty 4

# 12" SQUARE MOFLOW™ SUCTION OUTLET COVER AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single  
Floor: 274 GPM at 1.2 fps  
Wall: 278 GPM at 1.3 fps  
Floor/wall: 332.9 GPM at 1.5 fps  
Floor/wall: 221.9 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate  
71.2 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

Easily and safely retrofits to 12" square  $\frac{3}{4}$ " deep frames

Additional sump versions also available  
#316 stainless steel screws  
Manufactured from superior UV-resistant engineered polymers

All components (cover, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

6 per case



Part # 12MFxxx

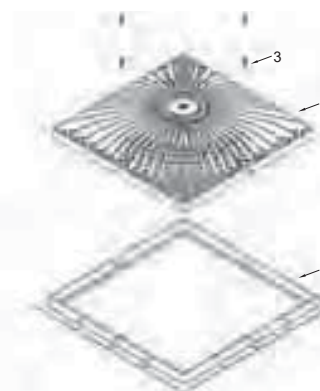
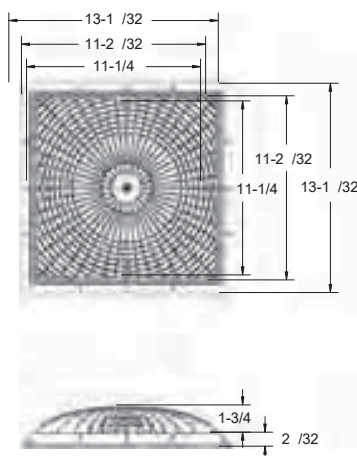
Fits: AquaStar (all standard 12" square), Pentair (#1 selling) with  $\frac{3}{4}$ " deep existing frames and four screw hole pattern

### STANDARD COLORS

- 12MF101 – White
- 12MF102 – Black
- 12MF103 – Light Gray
- 12MF104 – Blue
- 12MF105 – Dark Gray
- 12MF108 – Tan

Replaces p/n P12xxx

VGB 2008 Compliant

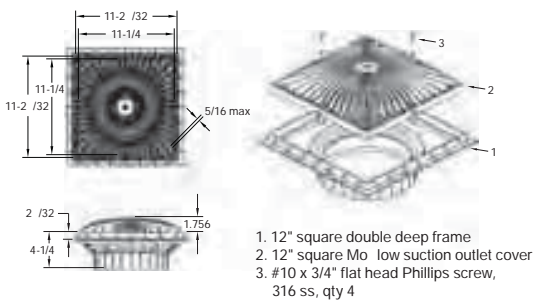


1. 12" square Mo low suction outlet cover
2. 12" drain frame
3. #10 x  $\frac{3}{4}$ " lg flat head Phillips Type screw, 316 ss, qty 4

# ADDITIONAL PRODUCT CONFIGURATIONS FOR 12MFXXX

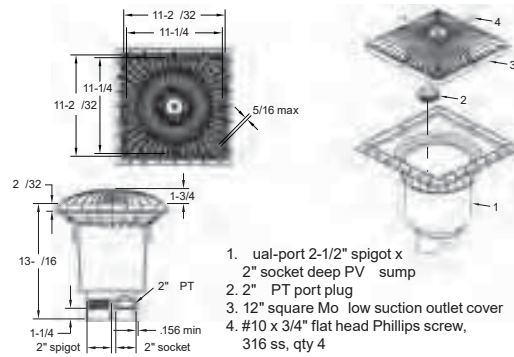
## Double-Deep Sump

Part #  
12MFxxxA  
4 per case



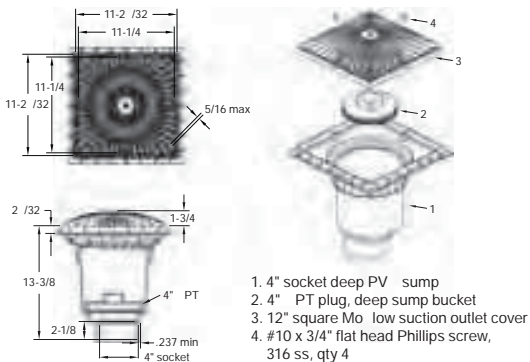
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
12MFxxxB  
1 per case



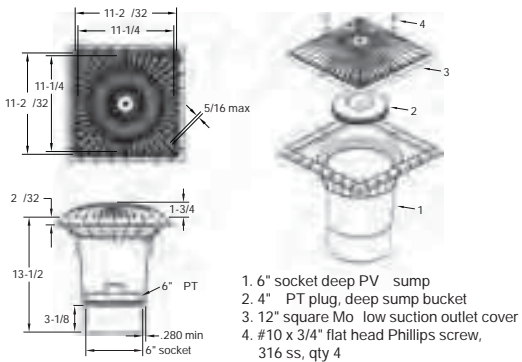
## 4" Socket Deep PVC Sump

Part #  
12MFxxxD  
1 per case



## 6" Socket Deep PVC Sump

Part #  
12MFxxxF  
1 per case



# 12" SQUARE WAVE ANTI-ENTRAPMENT SUCTION OUTLET COVER, VENTED RISER RING AND MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" minimum sump depth  
(see installation instructions)

Single –

Floor/wall: 361 GPM at 1.3 fps

Floor/wall: 424.5 GPM at 1.5 fps

Floor/wall: 283 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

90.8 square inch opening

Easily and safely retrofits most brands' existing 12" square 3/4" deep frames\*

Additional sump versions also available

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

8 per case

U.S. patents D623727 and D663388



Part # WAV12WRxxx

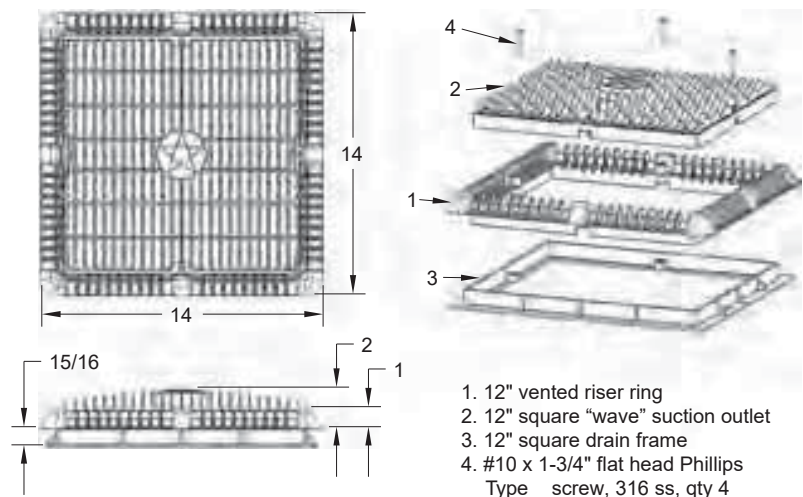
\*Fits: AquaStar (all standard 12" square), Pentair (#1 selling) with 3/4" deep existing frames and four screw hole pattern

### STANDARD COLORS

- WAV12WR101 – White
- WAV12WR102 – Black
- WAV12WR103 – Light Gray
- WAV12WR104 – Blue
- WAV12WR105 – Dark Gray
- WAV12WR108 – Tan

Replaces p/n P12xxx

VGB 2008 Compliant

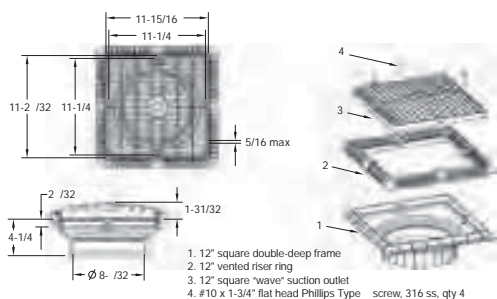


1. 12" vented riser ring
2. 12" square "wave" suction outlet
3. 12" square drain frame
4. #10 x 1-3/4" flat head Phillips Type screw, 316 ss, qty 4

# ADDITIONAL PRODUCT CONFIGURATIONS FOR WAV12WRXXX

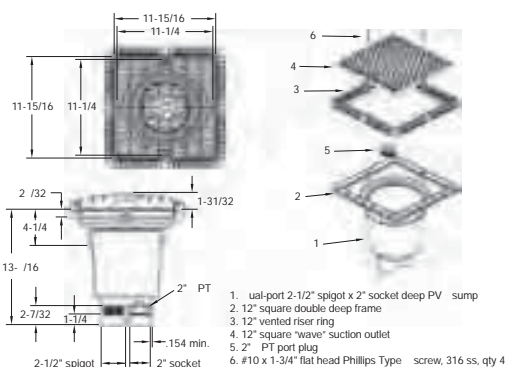
## Double-Deep Sump

Part #  
WAV12WRxxxA  
4 per case



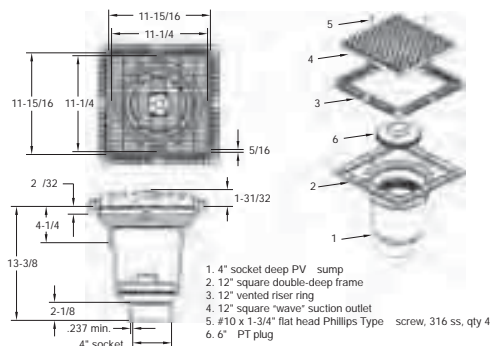
## Dual-Port 2 1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
WAV12WRxxxB  
1 per case



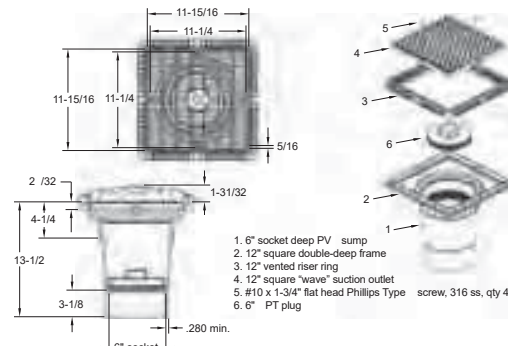
## 4" Socket Deep PVC Sump

Part #  
WAV12WRxxxD  
1 per case



## 6" Socket Deep PVC Sump

Part #  
WAV12WRxxxF  
1 per case



# 16" SQUARE ANTI-ENTRAPMENT SUCTION OUTLET COVER FOR 12" SQUARE RETROFITS OR NEW CONSTRUCTION

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – 3" sump depth  
Floor: 460 GPM at 1.46 fps  
Wall: 445 GPM at 1.4 fps

Floor/wall: 472.2 GPM at 1.5 fps  
Floor/wall: 314.8 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate 101 square inch opening

Easily and safely retrofits most brands' existing 12" frame with epoxy or screws or both; cover anchors into in-molded brass inserts in frame with four fine thread machine screws

Ideal for retrofitting over all existing sumps/frames up to 15" by anchoring directly into pool finish (plaster, tile, fiberglass, etc.) using four brass anchors and stainless screws in kit #BIK4

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components (cover, sump, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from date of installation

4 per case

### NEW CONFIGURATION

Retrofits over all existing sumps/frames up to 15"



Mud frame



Retrofit adapter frame for 3/4" deep 12" square retrofits



Retrofit adapter frame for 1" deep 12" square retrofits



Optional – extra screw holes for anchoring directly into pool finish using four brass anchor kit part #BIK4



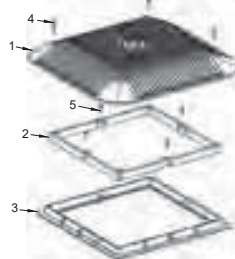
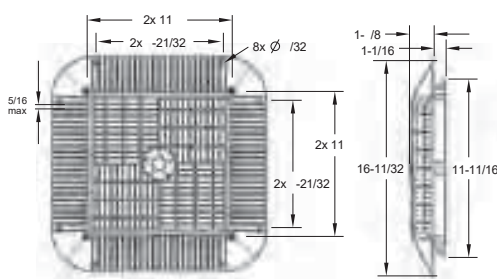
Part # 1216xxx

### STANDARD COLORS

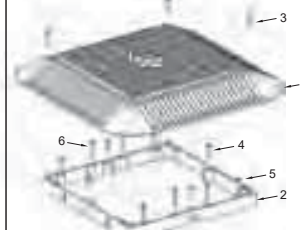
- 1216101 – White
- 1216102 – Black
- 1216103 – Light Gray
- 1216104 – Blue
- 1216105 – Dark Gray
- 1216108 – Tan

Replaces RWAV12xxx and RFS12xxx

VGB 2008 Compliant



1. 16" x 16" anti-entrapment suction outlet cover
2. 12" to 16" universal frame converter
3. 10-32 x 1" pan head Phillips machine screw, 316 ss, qty 4
4. #10 x 1" flat head Phillips type-a screw, 316 ss, qty 4
5. 10-24 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
6. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 4



1. 16" x 16" anti-entrapment suction outlet cover
2. 12" to 16" universal frame converter
3. 10-32 x 1" pan head Phillips machine screw, 316 ss, qty 4
4. #10 x 1" flat head Phillips type-a screw, 316 ss, qty 4
5. 10-24 x 1-1/4" flat head Phillips screw, 316 ss, qty 4
6. #10 x 1-1/2" flat head Phillips type-a screw, 316 ss, qty 4



# ADDITIONAL PRODUCT CONFIGURATIONS FOR 1216XXX

## Double-Deep Sump

Part #  
1216xxxA  
2 per case

- 12" square double-deep frame
- 12" to 16" conversion frame
- 16" x 16" drain cover
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- 10 x 3/4" flat head Phillips screw, 316 ss, qty 4

## Dual-Port 2-1/2" Spigot x 2" Socket Deep PVC Sump

Part #  
1216xxxB  
1 per case

- Dual-port 2-1/2" spigot x 2" socket deep PV sump
- 2" PT port plug
- 16" x 16" drain cover
- 12" to 16" conversion frame
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- 10 x 3/4" flat head Phillips screw, 316 ss, qty 4

## 4" Socket Deep PVC Sump

Part #  
1216xxxD  
1 per case

- 4" socket deep PV sump
- 16" x 16" drain cover
- 12" to 16" conversion frame
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- 10 x 3/4" flat head Phillips screw, 316 ss, qty 4
- 6" PT plug

## 6" Socket Deep PVC Sump

Part #  
1216xxxF  
1 per case

- 6" socket deep PV sump
- 16" x 16" drain cover
- 12" to 16" conversion frame
- 10-32 x 1" pan head Phillips screw, 316 ss, qty 4
- 10 x 3/4" flat head Phillips screw, 316 ss, qty 4
- 6" PT plug

## Mud Frame

Part # 12FRxxx  
12 per case

## Retrofit Adapter Frame for 3/4" deep 12" square retrofits

Part # 1216FRxxx  
12 per case

## Retrofit Adapter Frame for 1" deep 12" square retrofits

Part # R1216FRxxx  
12 per case

# 18" SQUARE MUD FRAME WITH FOUR 9" SQUARE MOFLOW™ SUCTION OUTLET COVERS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
6" sump depth  
(see installation instructions)

Single –

Floor only: 293 GPM at .6 fps

Floor only: 687.7 GPM at 1.5 fps

Floor only: 458.5 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

147.1 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

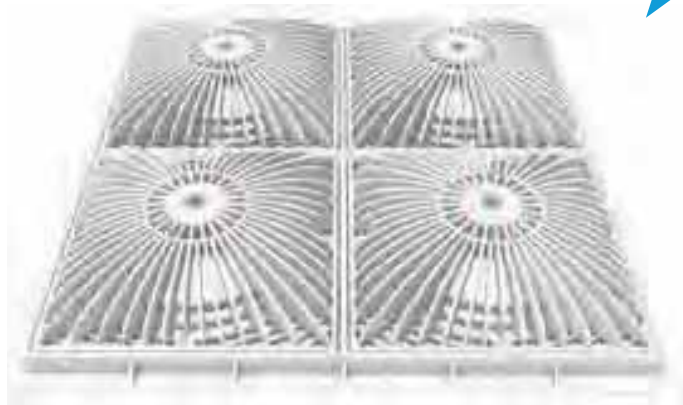
Manufactured from superior UV-resistant engineered polymers

See installation instructions for details and special requirements

All components (covers, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

4 per case



Part # 18MFxxx

Grates fit: AquaStar (standard 18" square frames), Pentair (#1 selling) with 3/4" deep existing window grid frame and 4x4 screw hole pattern

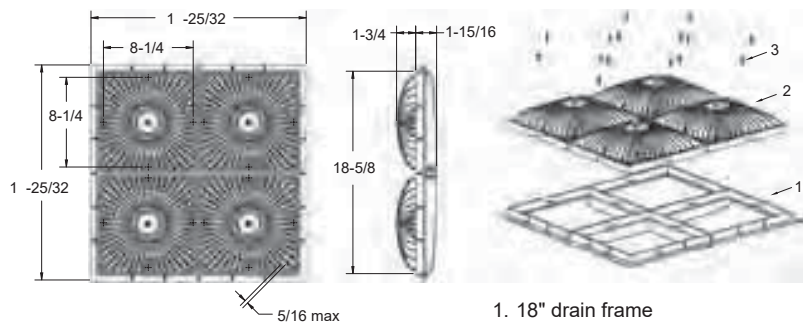
### STANDARD COLORS

- 18MF101 – White
- 18MF102 – Black
- 18MF103 – Light Gray
- 18MF104 – Blue
- 18MF105 – Dark Gray
- 18MF108 – Tan

Also available with four grates only for 3/4" deep retrofits  
p/n 18MFNFxxx

Also available with four grates only for 1" deep retrofits  
p/n R18MFNFxxx

VGB 2008 Compliant



1. 18" drain frame
2. " square Mo low suction outlet cover, qty 4
3. #10 x 3/4" lg flat head Phillips Type screw, 316 ss, qty 16

# 18" SQUARE MUD FRAME WITH FOUR 9" SQUARE STAR SUCTION OUTLET COVERS AND VENTED RISER RINGS

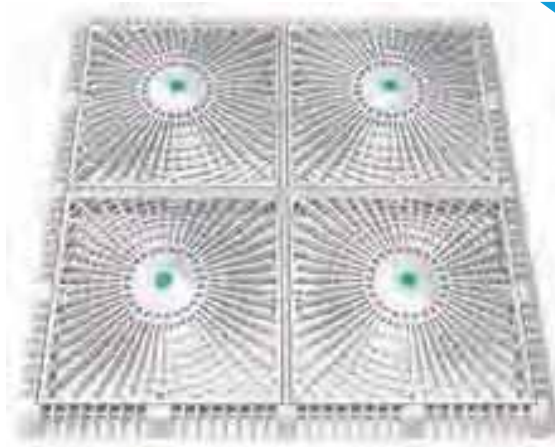
## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)



### FEATURES

- For single or multiple drain use
- 6" sump depth  
(see installation instructions)
- Single – 6" sump depth
- Floor/wall: 740 GPM at 1.5 fps
- Floor/wall: 501.2 GPM at 1.0 fps
- 160.8 square inch opening
- #316 stainless steel screws
- Trademarked VGB compliance button easily identifies VGB 2008 compliance from pool/spa deck
- Manufactured from superior UV-resistant engineered polymers
- Easily and safely retrofits to 18" square 3/4" deep frames
- All components (cover, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure
- Replace every five years from the date of installation
- 4 per case



U.S. patents D623728 and D663388

Part # P18xxx

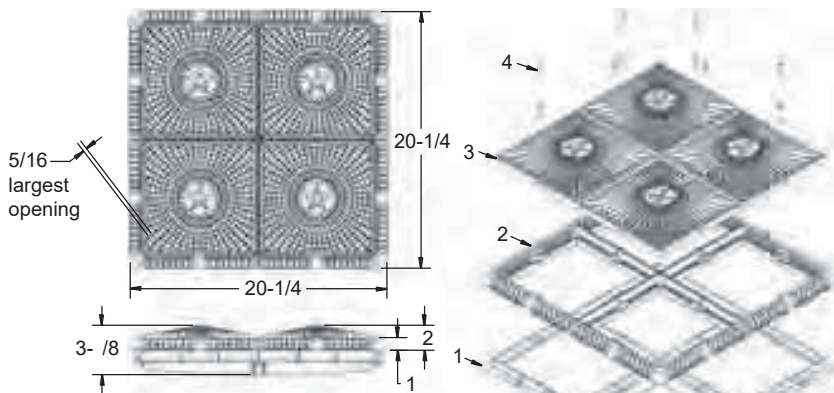
Grates fit: AquaStar (standard 18" square frames); Pentair (#1 selling) with 3/4" deep existing window grid frame and 4x4 screw hole pattern

### STANDARD COLORS

- P18101 – White
- P18102 – Black
- P18103 – Light Gray
- P18104 – Blue
- P18105 – Dark Gray
- P18108 – Tan

Also available with four grates only for 3/4" deep retrofits  
p/n P18NFxxx

VGB 2008 Compliant



1. 18" drain frame
2. Vented riser ring for 18" frame
3. " square star suction outlet cover
4. 10 x 1-3/4" flat head Phillips Type screw, 316 ss, qty 16

# 18" SQUARE FRAME WITH FOUR 9" SQUARE WAVE ANTI-ENTRAPMENT SUCTION OUTLET COVERS AND VENTED RISER RINGS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
6" minimum sump depth  
(see installation instructions)

Single –  
Floor/wall: 628 GPM at 1.1 fps

Floor/wall: 826.6 GPM at 1.5 fps  
Floor/wall: 551.1 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

176.8 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

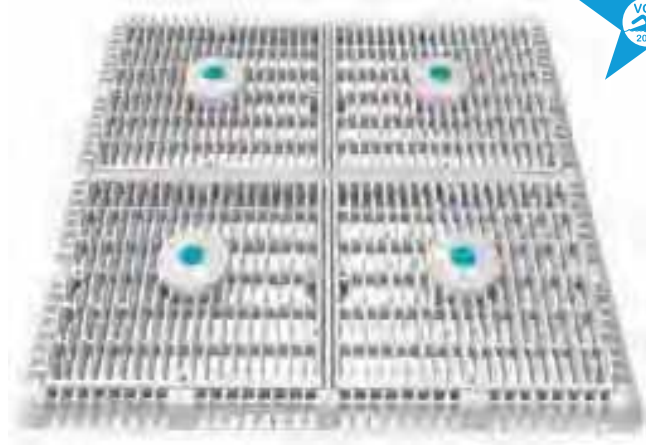
Easily and safely retrofits to 18" square  $\frac{3}{4}$ " deep frames

All components (covers, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

4 per case

U.S. patents D623727 and D663388



Part # WAV18WRxxx

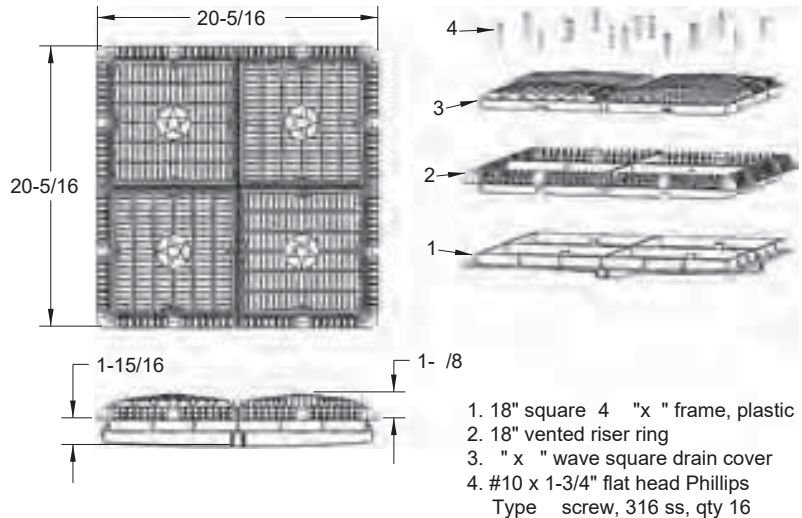
Grates fit: AquaStar (standard 18" square frames); Pentair (#1 selling) with  $\frac{3}{4}$ " deep existing window grid frame and 4x4 screw hole pattern

### STANDARD COLORS

- WAV18WR101 – White
- WAV18WR102 – Black
- WAV18WR103 – Light Gray
- WAV18WR104 – Blue
- WAV18WR105 – Dark Gray
- WAV18WR108 – Tan

Also available with four grates only for  $\frac{3}{4}$ " deep retrofits  
p/n WAV18WRNFxxx

VGB 2008 Compliant



# 18" SQUARE MUD FRAME WITH FOUR 9" SQUARE SUN/8HPH SUCTION OUTLET COVERS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
6" minimum sump depth  
(see installation instructions)

Single – 6" sump depth  
Floor: 1000 GPM at 3.1 fps  
Wall: 644 GPM at 2.0 fps  
  
Floor/wall: 490 GPM at 1.5 fps  
Floor/wall: 325.4 GPM at 1.0 fps  
104.4 square inch opening

#316 stainless steel screws

Trademarked VGB compliance button easily identifies VGB 2008 compliance from pool/spa deck

Manufactured from superior UV-resistant engineered polymers

Easily and safely retrofits most brands' existing frames

All components (cover, adapter plate, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Mud frame included for new construction

Replace every five years from the date of installation

4 per case

## SUN Series

Highest flow rate – great for commercial installations



Part # SUN18HPHxxx

Grates fit: AquaStar (standard 18" square frames); Pentair (#1 selling) with 3/4" deep existing window grid frame and 4x4 screw hole pattern

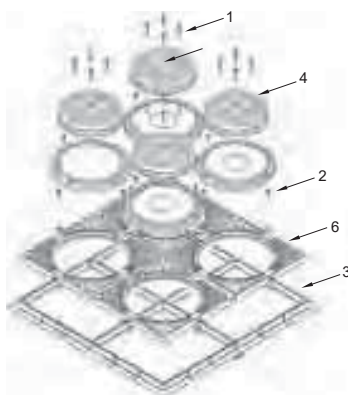
### STANDARD COLORS

- SUN18HPH101 – White
- SUN18HPH102 – Black
- SUN18HPH103 – Light Gray
- SUN18HPH104 – Blue
- SUN18HPH105 – Dark Gray
- SUN18HPH108 – Tan

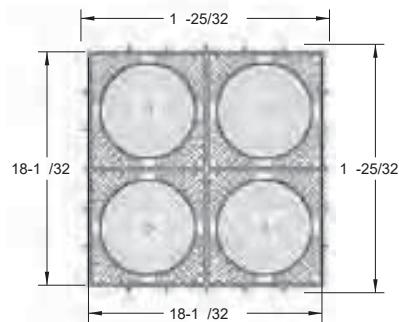
Also available with four grates only for 1" deep retrofits  
p/n RSUN18HPHRxxx

Also available with four grates only for 3/4" deep retrofits  
p/n RSUN18HPHxxx

**VGB 2008 Compliant**



1. #8-32 x 1-1/4" flat head Phillips screw, 316 ss, qty 16
2. #10 x 3/4" flat head Phillips screw, 316 ss, qty 24
3. 18" 4 "x " square frame
4. 6" round suction outlet cover, qty 4
5. 8" round frame
6. " shallow square "sun" to 8" round adapter, qty 4
- . VGB 2008 "color code" swimming man, qty 4



# 20" FULL CIRCLE® SUCTION OUTLET COVER AND ONE-PORT MANUFACTURED SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – floor only  
158 GPM at 1.2 fps

Floor only:  
196.4 GPM at 1.5 fps  
130.9 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

42 square inch opening

#316 stainless steel screws

Disposable plaster shield prevents debris from entering sump and retains shape during pool finish

Waterstop around edges prevents water leaks

Unique circle design is filled with plaster/pebble to blend into pool finish

Manufactured from superior UV-resistant PVC

One port:

Bottom 2½" spigot x 2" socket x 2" NPT

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

1 per case

U.S. patent D700299

## Unblockable!

No second drain or SVRS required –  
two drains in one



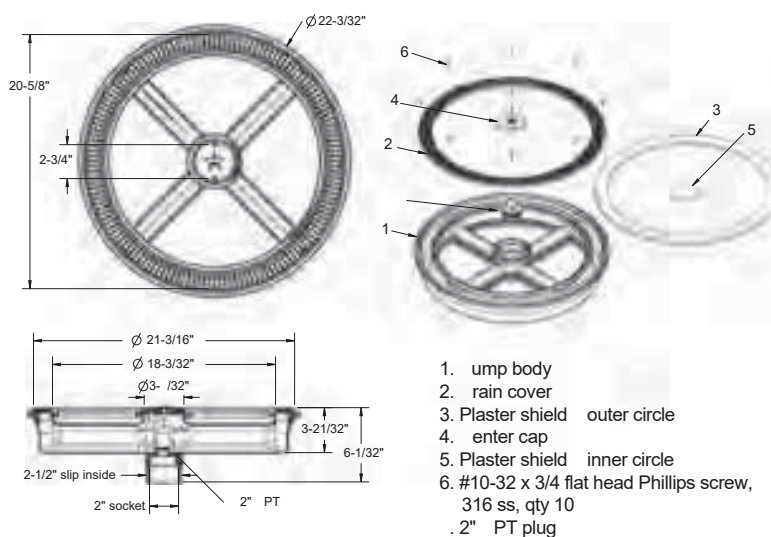
Optional T-Wrench  
p/n FC16102

Part # FCxxx

### STANDARD COLORS

- FC101 – White
- FC102 – Black
- FC103 – Light Gray
- FC104 – Blue
- FC105 – Dark Gray
- FC108 – Tan

VGB 2008 Compliant



# 20" FULL CIRCLE® SUCTION OUTLET COVER AND ONE-PORT MANUFACTURED SUMP AND HYDROSTATIC VALVE

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

Drain Cover also sold separately  
p/n FC09xxx

Center Logo Cap also sold separately  
p/n FC08xxx

Full Circle Drain Cover, Center Cap and Screws  
p/n FC20xxx

Top view of completed Full Circle® drain



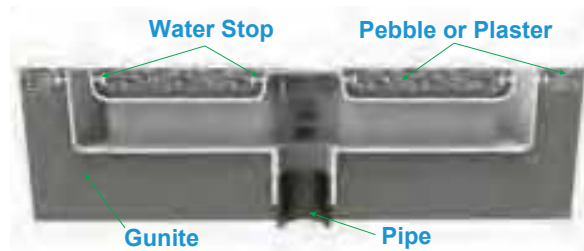
Optional Self-Contained Hydrostatic Valve with Collector Tube  
Part # HVCxxx  
See page 75

Drain Cover, Sump, Hydrostatic Valve with collector tube p/n FCHVxxx

**STANDARD COLORS**

- FCHV101 – White
- FCHV102 – Black
- FCHV103 – Light Gray
- FCHV104 – Blue
- FCHV105 – Dark Gray
- FCHV108 – Tan

Cross-section of completed Full Circle® drain



VGB 2008 Compliant

# 24" SQUARE FRAME WITH FOUR 12" SQUARE WAVE ANTI-ENTRAPMENT SUCTION OUTLET COVERS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – 12" sump depth  
Floor/wall: 1444 GPM at 1.3 fps

Floor/wall: 1593.4 GPM at 1.5 fps  
Floor/wall: 1062.2 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

340.8 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

See installation instructions for details and special requirements

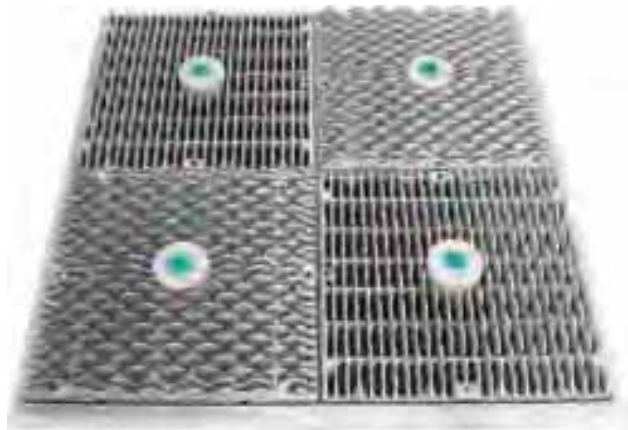
All components (covers, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

1 per case

U.S. patent D623727

Single, unblockable! No second suction outlet or backup SVRS required



Part # WAV24xxx

Grates fit: AquaStar (standard 24" square frames); Pentair (#1 selling) with 3/4" deep existing window grid frame and 4x4 screw hole pattern

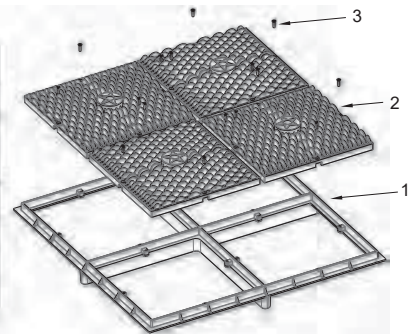
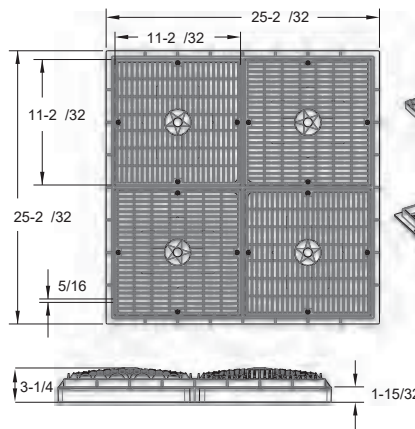
### STANDARD COLORS

- WAV24101 – White
- WAV24102 – Black
- WAV24103 – Light Gray
- WAV24104 – Blue
- WAV24105 – Dark Gray
- WAV24108 – Tan

Replaces p/n P24xxx

Also available with four grates for 3/4" deep retrofits p/n WAV24NFxxx

VGB 2008 Compliant



1. 24" plastic frame
2. 12" x 12" square wave drain, qty 4
3. #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 16



# 24" SQUARE FRAME WITH FOUR 12" SQUARE FLAT GRATE ANTI-ENTRAPMENT SUCTION OUTLET COVERS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
12" minimum sump depth  
(see installation instructions)

Single –

Floor/wall: 1531 GPM at 1.4 fps

Floor/wall: 1645.7 GPM at 1.5 fps

Floor/wall: 1097.1 GPM at 1.0 fps

When 1.0 or 1.5 fps installations are not required, always use the lower tested flow rate

352 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

See installation instructions for details and special requirements

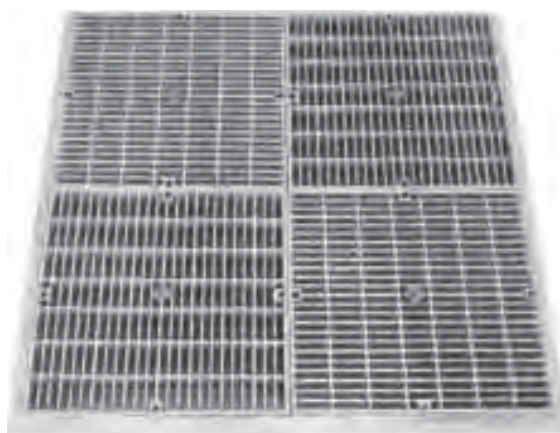
Installs flat – level with finish

All components (covers, frame, screws) meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

1 per case


Single, unblockable! No second suction outlet or backup SVRS required





Part # 24xxx

Grates fit: AquaStar (standard 24" square frames); Pentair (#1 selling) with 3/4" deep existing window grid frame and 4x4 screw hole pattern


### STANDARD COLORS

 24101 – White

 24102 – Black

 24103 – Light Gray

 24104 – Blue

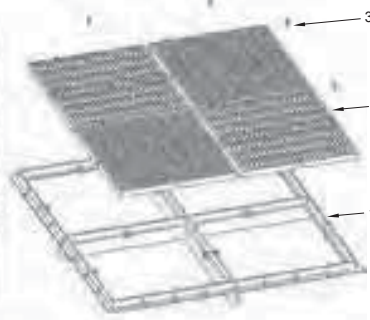
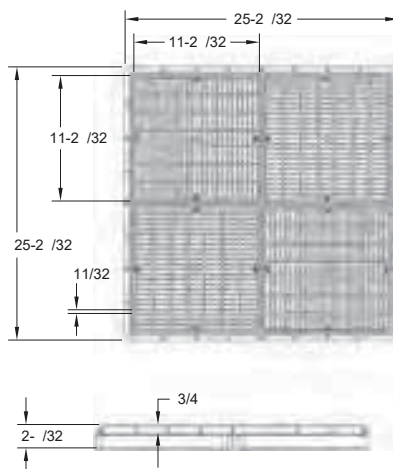
 24105 – Dark Gray

 24108 – Tan

Replaces p/n P24xxx

Also available with four grates for 3/4" deep retrofits p/n 24NFxxx

VGB 2008 Compliant



1. 24" plastic frame
2. 12" x 12" flat square drain cover, qty 4
3. #10 x 3/4" lg flat head Phillips screw, 316 ss, qty 16

# 32" CHANNEL DRAIN FLAT GRATE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND PVC THREE-PORT MANUFACTURED SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single

Floor: 316 GPM at 3.9 fps

Wall: 208 GPM at 2.6 fps

Floor/wall: 122 GPM at 1.5 fps

Floor/wall: 80.7 GPM at 1.0 fps

25.9 square inch opening

#316 stainless steel screws

PVC sump (standard)

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2 1/2" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Disposable plastic pre-gunite/plaster insert keeps debris out and retains sump shape during construction

Does not require use of transition glue

Replace every five years from the date of installation

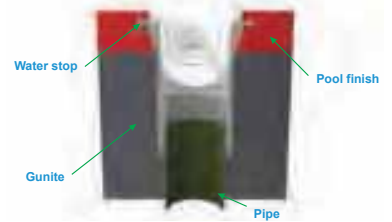
4 per case

U.S. patent pending

### Unblockable!



#### New waterstop feature



With sump (concrete pools)  
Part # 32CDFLxxx

For vinyl option, see page 107  
for fiberglass option, see page 108

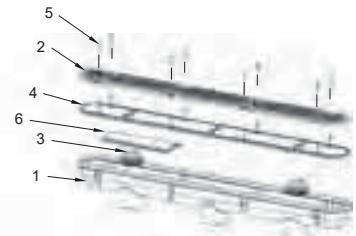
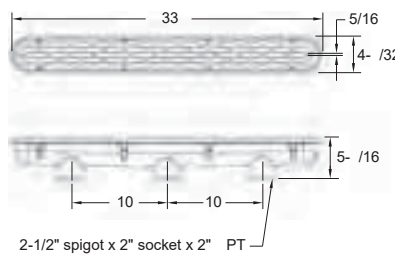
### STANDARD COLORS

- 32CDFL101 – White
- 32CDFL102 – Black
- 32CDFL103 – Light Gray
- 32CDFL104 – Blue
- 32CDFL105 – Dark Gray
- 32CDFL108 – Tan

Also available as sump only  
p/n 32CDPxxx  
4 per case

Also available cover only without  
sump/frame p/n 32CDFLNFxxx  
40 per case

VGB 2008 Compliant



1. 32" PV three-port sump
2. 32" channel drain cover
3. 2" PT plug, qty 2
4. 32" channel drain, plaster shield
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16
6. Port divider

Plaster shield and screws to be removed after gunite/plaster application

# 32" CHANNEL DRAIN FLAT GRATE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Requires a minimum 3" sump depth the entire length of cover

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single – 3" sump depth  
 Floor: 316 GPM at 3.9 fps  
 Wall: 208 GPM at 2.6 fps

Floor/wall: 122 GPM at 1.5 fps  
 Floor/wall: 80.7 GPM at 1.0 fps

25.9 square inch opening

Manufactured from superior UV-resistant engineered polymers

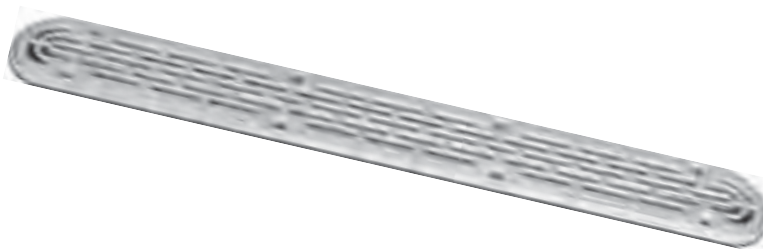
All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Includes disposable "dog bone" supports to retain shape during all phases of construction

Replace every five years from the date of installation

12 per case

## Unblockable!



For field-fabricated sump (concrete pools)  
 Part # 32CDFLFRxxx

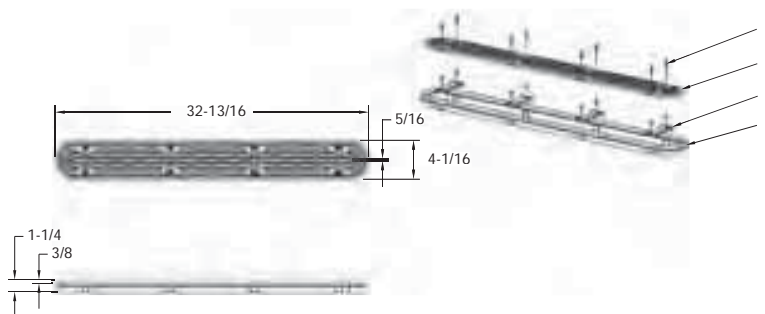
Two drains in one!

### STANDARD COLORS

- 32CDFLFR101 – White
- 32CDFLFR102 – Black
- 32CDFLFR103 – Light Gray
- 32CDFLFR104 – Blue
- 32CDFLFR105 – Dark Gray
- 32CDFLFR108 – Tan

Also available cover only without sump/frame  
 p/n 32CDFLNFxxx  
 40 per case

VGB 2008 Compliant



1. 32" channel drain, no sump, frame
2. 32" channel drain, cover, flat
3. 32" channel drain, frame support "dog bones", qty 4
4. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16

# 32" CHANNEL DRAIN PINHOLE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND THREE-PORT PVC MANUFACTURED SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single

Floor: 268 GPM at 3.1 fps

Wall: 172 GPM at 2.0 fps

Floor/wall: 131 at 1.5 fps

Floor/wall: 87 GPM at 1.0 fps

27.9 square inch opening

#316 stainless steel screws

PVC sump (standard)

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Disposable plastic pre-gunite/plaster insert keeps debris out and retains sump shape during construction

Does not require use of transition glue

Replace every five years from the date of installation

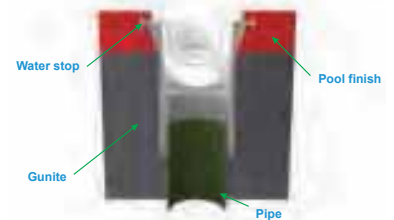
4 per case

U.S. patent pending

### Unblockable!



#### New waterstop feature



With sump (concrete pools)  
Part # 32CDPHxxx

For vinyl option, see page 109  
for fiberglass option, see page 110

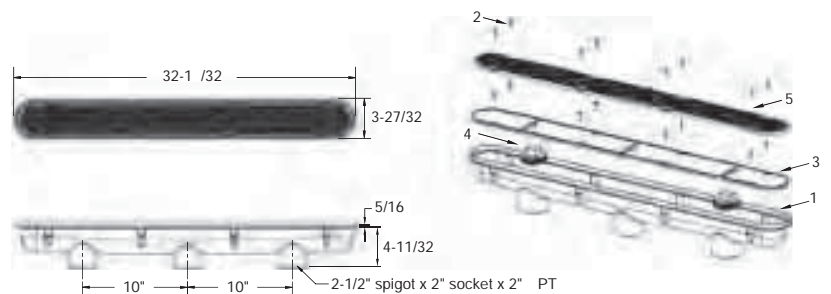
### STANDARD COLORS

- 32CDPH101 – White
- 32CDPH102 – Black
- 32CDPH103 – Light Gray
- 32CDPH104 – Blue
- 32CDPH105 – Dark Gray
- 32CDPH108 – Tan

Also available as sump only  
32CDPxxx  
4 per case

Also available cover only without  
sump/frame p/n 32CDPHNFxxx  
40 per case

VGB 2008 Compliant



1. 32" three-port manufactured sump
2. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16
3. 32" channel drain, plaster shield
4. 2" PT plug, qty 2
5. 32" channel drain anti-entrapment suction outlet "pinhole" cover

# 32" CHANNEL DRAIN PINHOLE ANTI-ENTRAPMENT SUCTION OUTLET COVER WITH MUD FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

- Requires a minimum 3" sump depth the entire length of cover
- For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)
- Single – 3" sump depth
- Floor: 268 GPM at 3.1 fps  
Wall: 172 GPM at 2.0 fps
- Floor/wall: 131 at 1.5 fps  
Floor/wall: 87 GPM at 1.0 fps
- 27.9 square inch opening
- #316 stainless steel screws
- Manufactured from superior UV-resistant engineered polymers
- All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure
- Includes disposable "dog bone" supports to retain shape during all phases of construction
- Replace every five years from the date of installation
- 12 per case

### Unblockable!



For field-fabricated sump (concrete pools)

Part # 32CDPHFRxxx

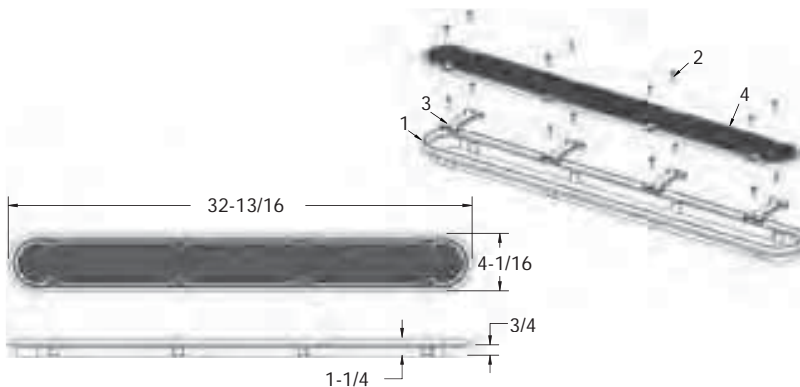
Two drains in one!

### STANDARD COLORS

- 32CDPHFR101 – White
- 32CDPHFR102 – Black
- 32CDPHFR103 – Light Gray
- 32CDPHFR104 – Blue
- 32CDPHFR105 – Dark Gray
- 32CDPHFR108 – Tan

Also available cover only without sump/frame p/n 32CDPHNFxxx  
40 per case

VGB 2008 Compliant



1. 32" channel drain, no sump, frame
2. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16
3. 32" channel drain, frame support "dog bones", qty 4
4. 32" channel drain anti-entrapment suction outlet "pinhole" cover

# 32" CHANNEL DRAIN ANTI-ENTRAPMENT SUCTION OUTLET COVER AND PVC THREE-PORT MANUFACTURED SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single

Floor: 236 GPM at 3.4 fps

Wall: 136 GPM at 1.9 fps

Floor/wall: 106 GPM at 1.5 fps

Floor/wall: 70.4 GPM at 1.0 fps

22.6 square inch opening

#316 stainless steel screws

PVC sump (standard)

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Disposable plastic pre-gunite/plaster insert keeps debris out and retains sump shape during construction

Does not require use of transition glue

Replace every five years from the date of installation

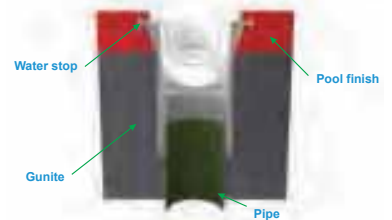
4 per case

U.S. patent pending

### Unblockable!



#### New waterstop feature



With sump (concrete pools)  
Part # 32CDAVxxx

For vinyl option, see page 111  
for fiberglass option, see page 112

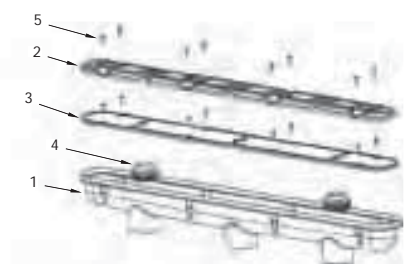
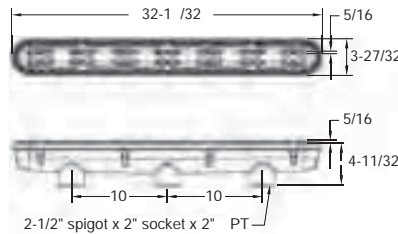
### STANDARD COLORS

- 32CDAV101 – White
- 32CDAV102 – Black
- 32CDAV103 – Light Gray
- 32CDAV104 – Blue
- 32CDAV105 – Dark Gray
- 32CDAV108 – Tan

Also available as sump only  
p/n 32CDPxxx  
4 per case

Also available cover only without  
sump/frame p/n 32CDAVFxxx  
40 per case

VGB 2008 Compliant



1. 32" three-port manufactured sump bucket
2. 32" anti-entrapment suction outlet cover
3. 32" channel drain, plaster shield
4. 2" PT plug, qty 2
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16

# 32" CHANNEL DRAIN ANTI-ENTRAPMENT SUCTION OUTLET COVER AND FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Requires a minimum 3" sump depth the entire length of cover

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single – 3" sump depth  
Floor: 236 GPM at 3.4 fps  
Wall: 136 GPM at 1.9 fps

Floor/wall: 106 GPM at 1.5 fps  
Floor/wall: 70.4 GPM at 1.0 fps

22.6 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

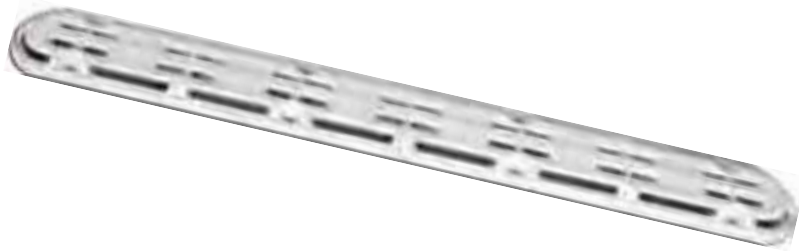
All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Includes disposable "dog bone" supports to retain shape during all phases of construction

Replace every five years from the date of installation

12 per case

## Unblockable!



For field-fabricated sump (concrete pools)  
Part # 32CDAVFRxxx

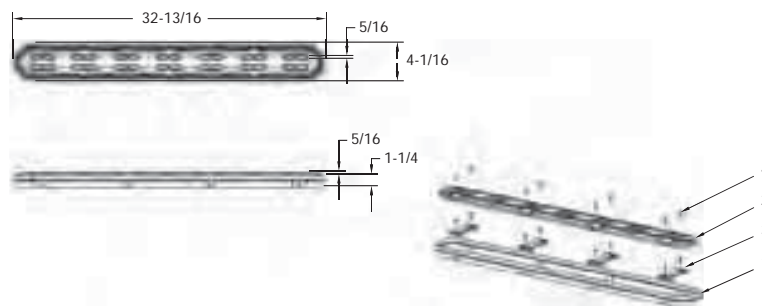
Two drains in one!

### STANDARD COLORS

- 32CDAVFR101 – White
- 32CDAVFR102 – Black
- 32CDAVFR103 – Light Gray
- 32CDAVFR104 – Blue
- 32CDAVFR105 – Dark Gray
- 32CDAVFR108 – Tan

Also available cover only  
without sump/frame  
p/n 32CDAVNFxxx  
40 per case

VGB 2008 Compliant



1. 32" channel drain, no sump, frame
2. 32" anti-entrapment suction outlet cover
3. 32" channel drain, frame support "dog bones", qty 4
4. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 16

# 32" CHANNEL DRAIN DEBRIS CATCHER SUCTION OUTLET WITH PVC THREE-PORT MANUFACTURED SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Uniquely engineered concave/convex design allows for superior debris catching while exceeding UL articulate probe finger and knuckle ASME A112 2008 tests

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single

Floor: 196 GPM at 1.3 fps

Wall: 192 GPM at 1.2 fps

Floor/wall: 236 GPM at 1.5 fps

Floor/wall: 156.2 GPM at 1.0 fps

50.1 square inch opening

#316 stainless steel screws

PVC sump (standard)

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Disposable plastic pre-gunite/plaster insert keeps debris out and retains sump shape during construction

Does not require use of transition glue

Replace every five years from the date of installation

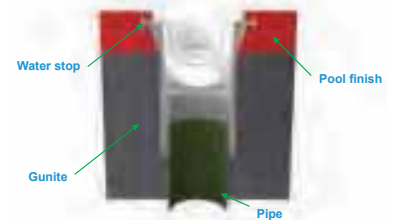
4 per case

U.S. patent pending

## Unblockable debris catcher



### New waterstop feature



With sump (concrete pools)  
Part # 32CDLTxxx

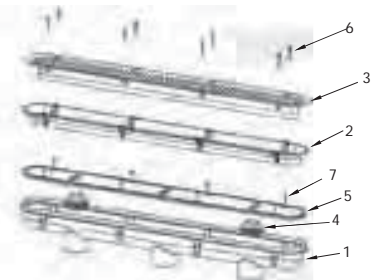
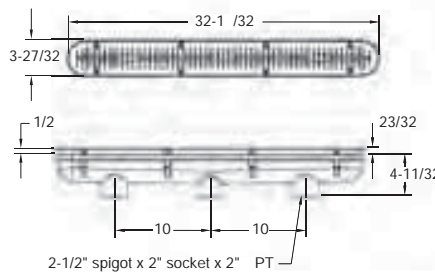
For vinyl option, see page 113  
for fiberglass option, see page 114

### STANDARD COLORS

- 32CDLT101 – White
- 32CDLT102 – Black
- 32CDLT103 – Light Gray
- 32CDLT104 – Blue
- 32CDLT105 – Dark Gray
- 32CDLT108 – Tan

Also available as sump only  
p/n 32CDPxxx  
4 per case

VGB 2008 Compliant



1. 32" three-port manufactured sump bucket
2. 32" leaf trap insert
3. 32" leaf trap cover
4. 2" PT plug, qty 2
5. 32" channel drain, plaster shield
6. #10 x 1-1/4" pan head Phillips screw, 316 ss, qty 8
7. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 8



# 32" CHANNEL DRAIN DEBRIS CATCHER SUCTION OUTLET WITH FRAME

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Requires a minimum 3" sump depth the entire length of the cover

Uniquely engineered concave/convex design allows for superior debris catching while exceeding UL articulate probe finger and knuckle ASME A112 2008 tests

For single or multiple drain use (see installation instructions)

Single – 3" sump depth  
 Floor: 196 GPM at 1.3 fps  
 Wall: 192 GPM at 1.2 fps

Floor/wall: 236 GPM at 1.5 fps  
 Floor/wall: 156.2 GPM at 1.0 fps  
 50.1 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

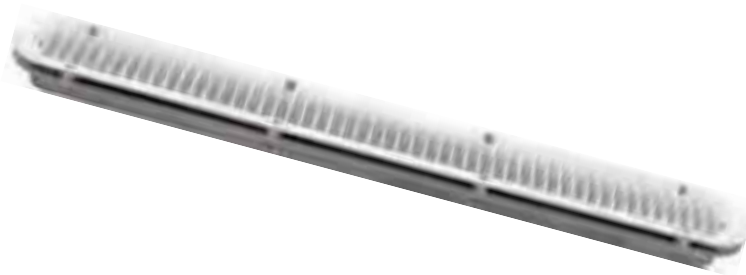
All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Includes disposable "dog bone" supports to retain shape during all phases of construction

Replace every five years from the date of installation

4 per case

## Unblockable debris catcher

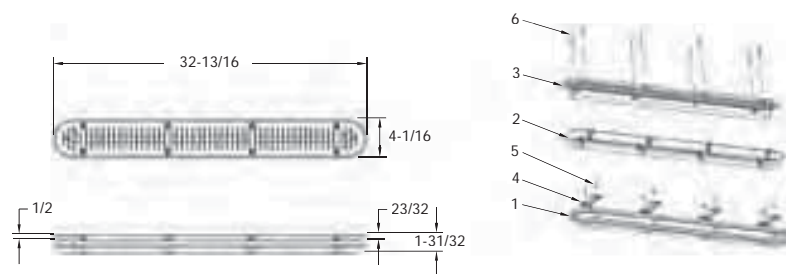


For field-fabricated sump (concrete pools)  
 Part # 32CDLTFRxxx

Two drains in one!

### STANDARD COLORS

- 32CDLTFR101 – White
- 32CDLTFR102 – Black
- 32CDLTFR103 – Light Gray
- 32CDLTFR104 – Blue
- 32CDLTFR105 – Dark Gray
- 32CDLTFR108 – Tan



1. 32" channel drain, no sump, frame
2. 32" leaf trap insert
3. 32" leaf trap cover
4. 32" channel drain, frame support "dog bones", qty 4
5. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 8
6. #10 x 1-1/4" pan head Phillips screw, 316 ss, qty 8

VGB 2008 Compliant

# 32" CHANNEL DRAIN THREE-PORT MANUFACTURED PVC SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

All AquaStar 32" channel drains are now available with PVC three-port manufactured sumps

Integrated patent-pending Waterstop around edge of entire sump reduces leaks

Super strong PVC material sump does not require transitional glue

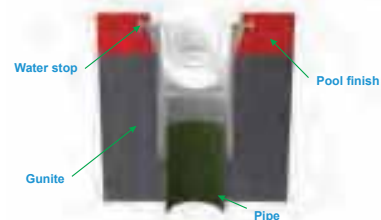
Patented integral waterstop

Designed for use with 2" hydrostatic relief valve part #HVxxx (see page 75)

4 per case



New waterstop feature



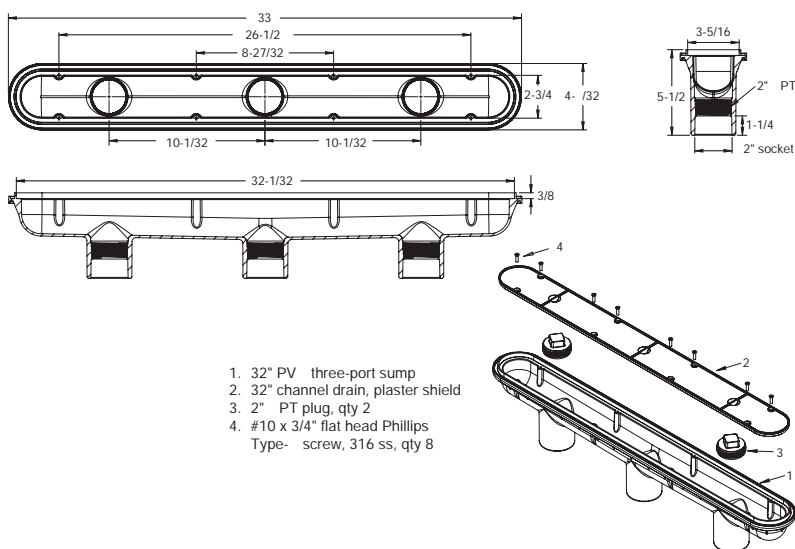
U.S. patent pending

Part # 32CDPxxx

For vinyl option, see page 115

### STANDARD COLORS

- 32CDP101 – White
- 32CDP102 – Black
- 32CDP103 – Light Gray
- 32CDP104 – Blue
- 32CDP105 – Dark Gray
- 32CDP108 – Tan



1. 32" PV three-port sump
2. 32" channel drain, plaster shield
3. 2" PT plug, qty 2
4. #10 x 3/4" flat head Phillips Type- screw, 316 ss, qty 8

VGB 2008 Compliant

# 32" PINHOLE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND MANUFACTURED ABS SUMP

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions)

Retrofits over any existing sump up to 10" round

No need for a secondary drain or SVRS, unblockable drain and sump assembly

Single –

Floor: 196 GPM at 2.3 fps  
Wall: 88 GPM at 1.0 fps

Floor/wall: 131 GPM at 1.5 fps  
Floor/wall: 88 GPM at 1.0 fps

27.9 square inch opening

Manufactured from superior UV-resistant engineered polymers

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Individually boxed

Replace every five years from the date of installation

6 per case

U.S. patent D663387

### Unblockable! Propeller Drain®

No additional sump required



Part # 32PDxxx

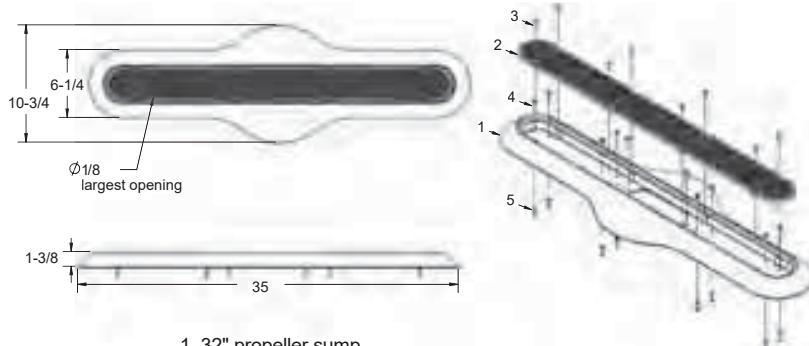
### Two drains in one!

Note: Propeller Sump must be permanently affixed to pool floor using epoxy and provided anchors to be considered unblockable

### STANDARD COLORS

- 32PD101 – White
- 32PD102 – Black
- 32PD103 – Light Gray
- 32PD104 – Blue
- 32PD105 – Dark Gray
- 32PD108 – Tan

VGB 2008 Compliant



1. 32" propeller sump
2. 32" channel drain anti-entrapment suction outlet "pinhole" cover
3. #10 x 3/4" flat head Phillips Type screw, 316 ss, qty 8
4. #10 x 1" pan head Phillips screw, 316 ss, qty 10 2 optional
5. 1/4" concrete anchor, qty 8

# STAINLESS STEEL T-BAR FOR SPANNING 9", 12" AND 18" TROUGHS WITH BONDING LUG

COMMERCIAL

## Field-Fabricated Outlet Component (ANSI/APSP 16-2011 §1.1.6.2)

### FEATURES

Specialty stainless steel support bars for daisy chain installation of three AquaStar suction outlet covers and mud frames to create a VGB unblockable, field-fabricated outlet

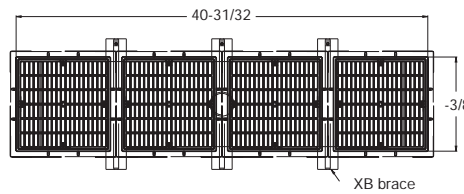
Field-built sump per ANSI/APSP 16-2011 figure 2

Integrated bonding lug for NEC article 680.26 (B)(3)

Powder-coated white

Available in 9", 12" and 18"

1 per case

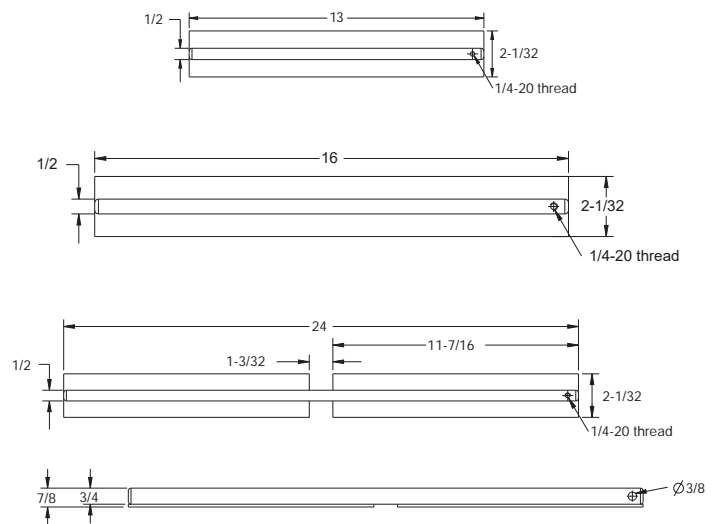


example top view  
field-fabricated outlet,  
4x " x " suction outlet  
covers and mud frames

Part # 9XB – 9"  
12XB – 12"  
18XB – 18"

### STANDARD COLORS

WHITE



# 12" PERPENDICULAR "T" BAR DECK GRATE

COMMERCIAL

## FEATURES

- Reduces algae growth
- Interlocking pieces make installation quick and effortless
- Easily flexes around curves (see instructions for details)
- Available in 12" widths
- Made from high-grade UV-stabilized PVC
- Tested for color fastness and UV stability (ASTM G-154, exceeding 750 hours)
- Stainless steel hardware sold separately
- Complies with federal ADA regulations
- 5-year life span
- Sold in 20 linear feet sections

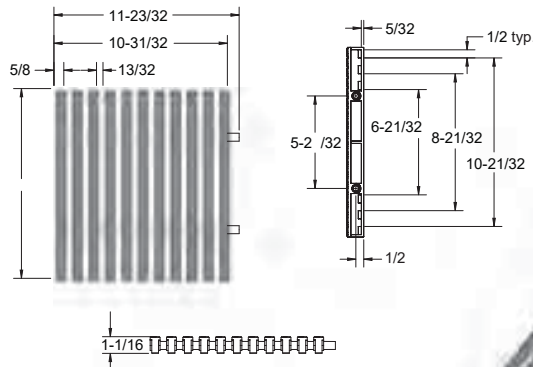


Part # TBAR12

Screw kit  
Part # SCW1050

## STANDARD COLORS

WHITE



## OTHER COMMERCIAL PRODUCTS

We have additional products that are suitable for commercial uses, including the following:

### DRAINS

#### 18MFxxx

18" Square Mud Frame with Four 9" Square MoFlow™ Suction Outlet Covers  
see page 42 for more information

#### SUN18HPHxxx

18" Square Mud Frame with Four 9" Square SUN/8HPH Suction Outlet Covers  
see page 45 for more information

#### BFB

4"S x 4"S x 2½"S x 2½"S Horizontal T with two 4" x 3" Reducer Bushings  
see page 71 for more information

#### P18xxx

18" Square Mud Frame with Four 9" Square Star Suction Outlet Covers and Vented Riser Rings  
see page 43 for more information

#### 24xxx

24" Square Frame with Four 12" Square Flat Grate Anti-Entrapment Suction Outlet Covers  
see page 49 for more information

#### WAV18WRxxx

18" Square Frame with Four 9" Square Wave Anti-Entrapment Suction Outlet Covers and Vented Riser Rings  
see page 44 for more information

#### WAV24xxx

24" Square Frame with Four 12" Square Wave Anti-Entrapment Suction Outlet Covers  
see page 48 for more information

### SUMPS

**A:** Double-Deep Sumps  
see drain cover options on pages 9-19

**F:** 6" Socket Deep PVC Sump  
see drain cover options on pages 9-19

**SBV:** Standard ABS Sump for Vinyl/Fiberglass  
see drain cover options on pages 9-19

**B:** Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump  
see drain cover options on pages 9-19

**SB:** Standard ABS Sump  
see drain cover options on pages 9-19

**32CDPxxx**  
32" Channel Drain Three-Port Manufactured PVC Sump  
see page 58 for more information

**D:** 4" Socket Deep PVC Sump  
see drain cover options on pages 9-19

**SBAC:** Standard ABS Sump with Adjustable Collar  
see drain cover options on pages 9-19

**32CDSBV101**  
32" Channel Drain Three-Port Manufactured ABS Sump for vinyl pools  
see page 115 for more information

### MISCELLANEOUS

#### GV14

14" Gyro Vac  
see page 125 for more information

#### GV22

22" Gyro Vac  
see page 125 for more information



**FITTINGS**

### Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits 1" or 1/2" Pipe)

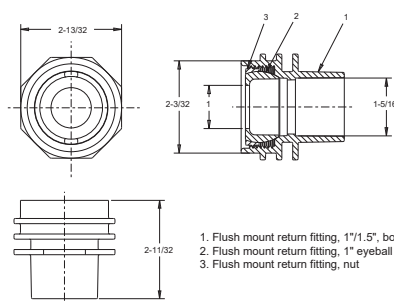
#### FEATURES

Slips inside 1/2" pipe or outside 1" pipe  
 Finishes flush, no protrusion past the surface  
 Integrated water stop to reduce leaks  
 Eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case  
 Additional orifice size suffix: 3/4"-B, 1/2"-C, slotted-D (i.e. 301B = white 3/4" orifice)  
 Also available in Clear (p/n 300)

00



Part # 3xx



### Flush-Mount Return Fitting with Water Stop (Fits Outside 1/2" Pipe)

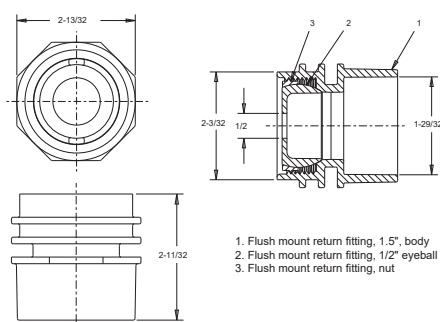
#### FEATURES

Fits outside 1/2" pipe  
 1 1/2" FPT in front face  
 Finishes flush, no protrusion past the surface  
 Integrated water stop reduces leaks  
 Engineered polymer UV-resistant ABS material  
 Available in four orifice sizes (1", 3/4", 1/2", slotted)  
 250 per case  
 Additional orifice size suffix: 3/4"-B, 1/2"-C, slotted-D (i.e. JE3101B = white 3/4" orifice)  
 Also available in Clear (p/n JE3100)

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Part # JE31xx



### Vacuum Fitting with Water Stop (Fits Outside 1/2" Pipe)

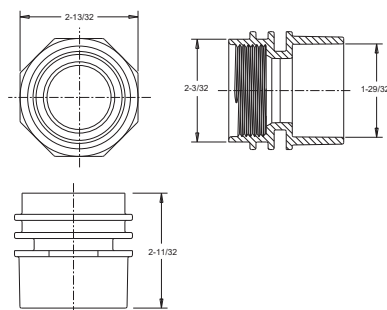
#### FEATURES

Fits outside 1/2" pipe  
 1 1/2" FPT in front face  
 Finishes flush, no protrusion past the surface  
 Integrated water stop reduces leaks  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case  
 Also available in Clear (p/n 3200)

00



Part # 32xx



### Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Inside 2" Pipe)

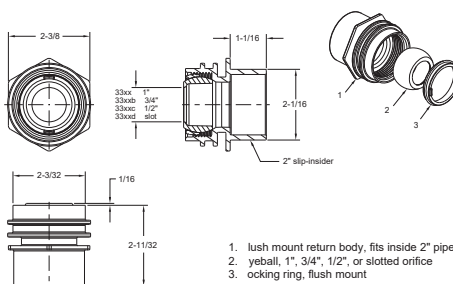
#### FEATURES

Slips inside 2" pipe  
 Finishes flush, no protrusion past the surface  
 Integrated water stop to reduce leaks  
 Eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case  
 Additional orifice size suffix: 3/4"-B, 1/2"-C, slotted-D (i.e. 3301B = white 3/4" orifice)  
 Also available in Clear (p/n 3300)

00



Part # 33xx





### Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Over 2" Pipe)

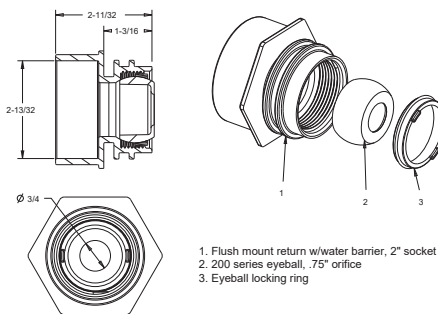
#### FEATURES

- Slips outside 2" pipe
- Finishes flush, no protrusion past the surface
- Integrated water stop to reduce leaks
- Eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)
- Manufactured from engineered polymer
- UV-resistant ABS material
- 250 per case
- Additional orifice size suffix: 3/4"-B, 1/2"-C, slotted-D (i.e. 3501B = white 3/4" orifice)
- Also available in Clear (p/n 3500)

00



Part # 35xx



### Light Niche/Return Fitting (Fits Over 1 1/2" Pipe)

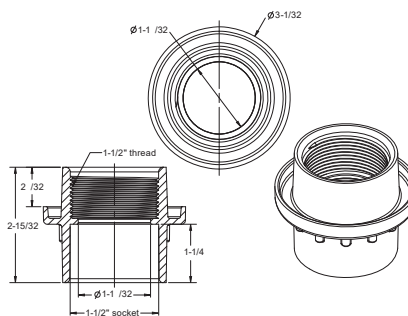
#### FEATURES

- Slips over a 1 1/2" pipe
- Enables a 1 1/2"/2" light socket to thread into the face
- Improves the appearance of the light's niche, instead of the standard unsightly silver
- 250 per case
- Also available in Clear (p/n 3600)

00



Part # 36xx

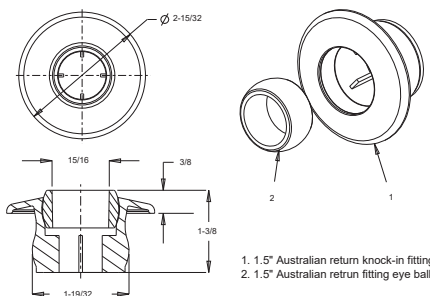


### Australian Return Fitting with Adjustable Eyeball 1 1/2" Knock-In

#### FEATURES

- Knocks into 1 1/2" pipe, no glue necessary
- Self-leveling for out-of-square pipes
- Flange camouflages pipe and surface construction variations
- Adjustable eyeball available in three orifice sizes (1", 3/4", 1/2")
- Manufactured from engineered polymer
- UV-resistant polypropylene material
- 500 per case
- Additional orifice size suffix: 3/4"-B, 1/2"-C (i.e. 401B = white 3/4" orifice)

Part # 4xx



### Three-Piece Directional Eyeball Fitting 1 1/2" Knock-In

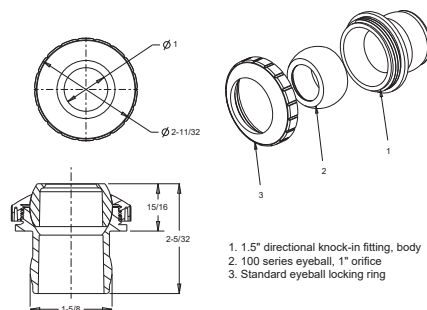
#### FEATURES

- Knocks into standard 1 1/2" pipe
- Self-leveling for pipe and surface construction variations
- Adjustable eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)
- Manufactured from engineered polymer
- UV-resistant ABS material
- 250 per case
- Orifice size part #'s: 1"-41xx, 3/4"-42xx, 1/2"-43xx, slotted-44xx (i.e. 4201 = white 3/4" orifice)
- Also available in Clear (p/n 4100, 4200, 4300, 4400)

00



Part # 41xx, 42xx, 43xx, 44xx



For vinyl and fiberglass fittings, see pages 120-121

### 4" Adjustable Floor Return Fitting with Water Stop

#### FEATURES

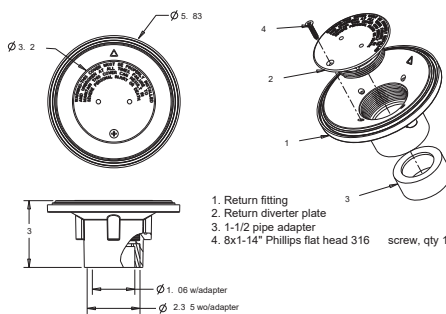
Diverter plate molded as one piece – no glue joints for longer lasting commercial use  
 Integrated water stop to reduce leaks  
 2" x 1½" slip pipe adapter included  
 Full 360-degree flow  
 Flow rate up to 80 GPM  
 CAUTION: NOT to be used as a suction outlet  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 Stainless steel screws  
 25 per case  
 Also available as return diverter plate only for remodels, repairs, etc. p/n DIV0xx 25 per case

Part # DIV0xxx

Diverter plate fits:  
Pentair/Sta-Rite



Part # 4DIVxxx



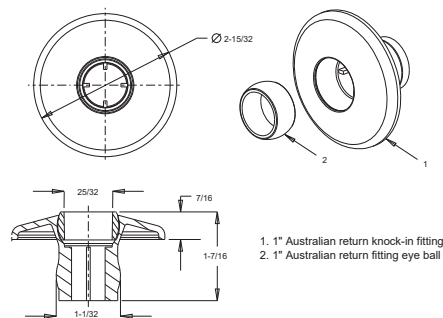
### Australian Return Fitting with Adjustable Eyeball 1" Knock-In

#### FEATURES

Knocks into 1" pipe, no glue necessary  
 Self-leveling for out-of-square pipes  
 Flange camouflages pipe and surface construction variations  
 Adjustable eyeball available in three orifice sizes (1", ¾", ½")  
 Manufactured from engineered polymer  
 UV-resistant polypropylene material  
 500 per case  
 Additional orifice size suffix: ¾"-B, ½"-C (i.e. 501B = white ¾" orifice)



Part # 5xx



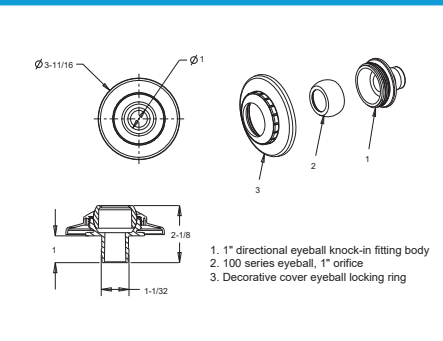
### Three-Piece Directional Eyeball Fitting 1" Knock-In with Flange

#### FEATURES

Knocks into standard 1" pipe, no glue necessary  
 Self-leveling for out-of-square pipes  
 Adjustable eyeball available in four orifice sizes (1", ¾", ½", slotted)  
 Large flange camouflages pipe and surface construction variations  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case  
 Orifice size part #: 1"-51xx, ¾"-52xx, ½"-53xx, slotted-54xx (i.e. 5201 = white ¾" orifice)



Part # 51xx, 52xx, 53xx, 54xx



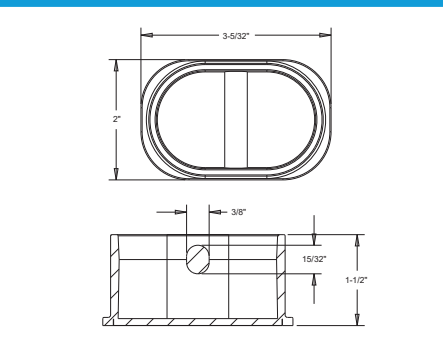
### Rope Anchor

#### FEATURES

Sturdy center pin  
 Manufactured from engineered polymer UV-resistant ABS  
 200 per case



Part # 6xx



For vinyl and fiberglass fittings, see pages 120-121

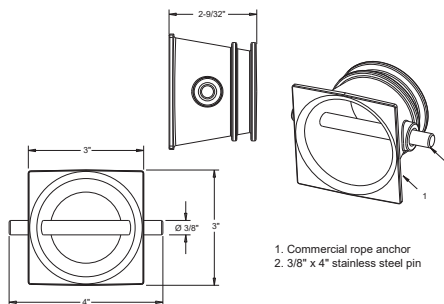
### Commercial Rope Anchor with Stainless Steel Pin

#### FEATURES

- Press-fit stainless steel pin
- Integrated water stop to reduce leaks
- Manufactured from UV-resistant NSF 50/ABS/ASA
- Deep well for large hooks
- 24 per case



Part # CM6xx



1. Commercial rope anchor  
2. 3/8" x 4" stainless steel pin

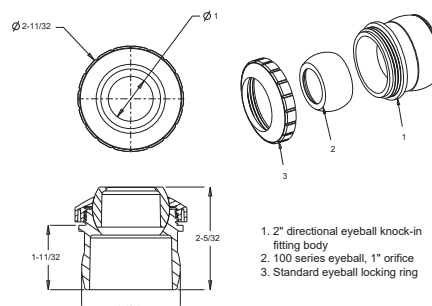
### Three-Piece Directional Eyeball Fitting 2" Knock-In

#### FEATURES

- Knocks into standard 2" pipe
- Self-leveling for pipe and surface construction variations
- Adjustable eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)
- Manufactured from engineered polymer
- UV-resistant ABS material
- 250 per case
- Orifice size part #: 1"-61xx, 3/4"-62xx, 1/2"-63xx, slotted-64xx (i.e. 6201 = white 3/4" orifice)
- Also available in Clear (p/n 6100, 6200, 6300, 6400)



Part # 61xx, 62xx, 63xx, 64xx



1. 2" directional eyeball knock-in fitting body  
2. 100 series eyeball, 1" orifice  
3. Standard eyeball locking ring

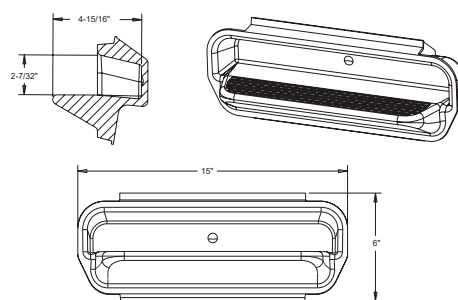
### Pool Wall Step

#### FEATURES

- Non-skid surface on step
- Manufactured from engineered polymer
- UV-resistant NSF-rated/ABS/ASA
- Extra large locking feature on outer lid
- Full 15" length required by many states
- Also available in Blue
- Set of three
- 4 sets per case



Part # 7xx



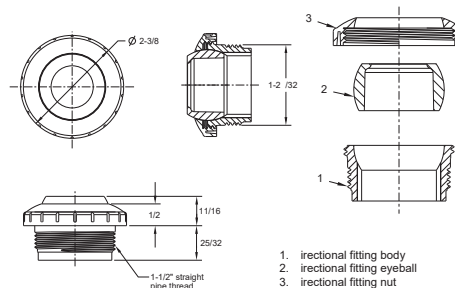
### Three-Piece Directional Eyeball Fitting 1 1/2" MPT

#### FEATURES

- Screws into 1 1/2" FPT
- Adjustable eyeball available in four orifice sizes (1", 3/4", 1/2", slotted)
- Manufactured from engineered polymer
- UV-resistant ABS material
- 250 per case
- Orifice size part #: 1"-81xx, 3/4"-82xx, 1/2"-83xx, slotted-84xx (i.e. 8201 = white 3/4" orifice)
- Also available in Clear (p/n 8100, 8200, 8300, 8400)



Part # 81xx, 82xx, 83xx, 84xx



1. irectional fitting body  
2. irectional fitting eyeball  
3. irectional fitting nut

For vinyl and fiberglass fittings, see pages 120-121

### Three-Piece Directional Eyeball Fitting 1½" Slip Insider

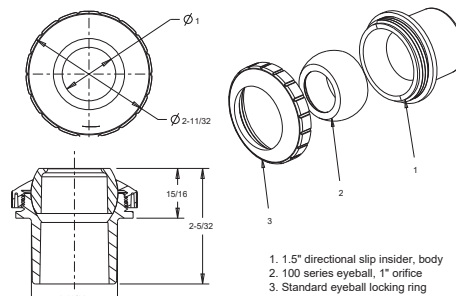
#### FEATURES

Slip and glue into standard 1½" pipe  
Adjustable eyeball available in four orifice sizes (1", ¾", ½", slotted)  
Manufactured from engineered polymer UV-resistant ABS material  
250 per case  
Orifice size part #: 1"-SL81xx, ¾"-SL82xx, ½"-SL83xx, slotted-SL84xx (i.e. SL8201 = white ¾" orifice)  
Also available in Clear (p/n SL8100, SL8200, SL8300, SL8400)

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Part # SL81xx, SL82xx, SL83xx, SL84xx



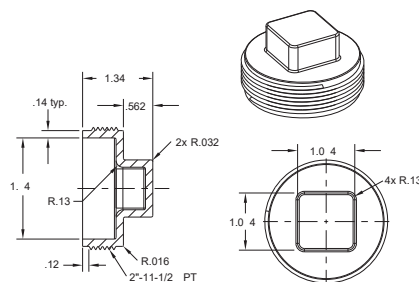
### 2" Tapered Pipe Thread Plug

#### FEATURES

Used to winterize pools and pressure test pools  
NSF-approved materials  
Manufactured from UV-resistant ABS material  
Available in White and Light Gray  
FC16102 (T-Wrench) can be used to help install and remove (see page 171)



Part # 8SBP101, 8SBP103



### ½" Extender with Eyeball and Nut 1½" MPT

#### FEATURES

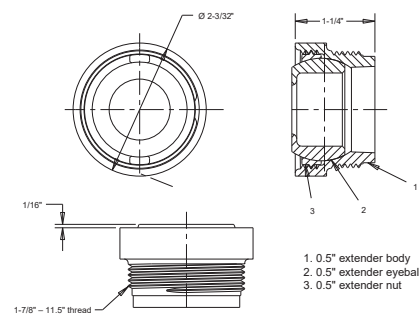
Screws into 1½" FPT  
Great for remodels, adds ½" for new finish  
Finishes flush, no protrusion past the surface  
Eliminates the need for costly removal of old fittings (just screw in)  
Stack more than one for longer extension  
Eyeball available in four orifice sizes (1", ¾", ½", slotted)  
U.S. patent 8,250,682

Manufactured from engineered polymer UV-resistant ABS material  
250 per case  
Additional orifice size suffix: ¾"-B, ½"-C, slotted-D (i.e. ASD101B = white ¾" orifice)  
Also available in Clear (p/n ASD100)

00



Part # ASDxxx



### ½" Extender with Eyeball and Nut 1¼" MPT

#### FEATURES

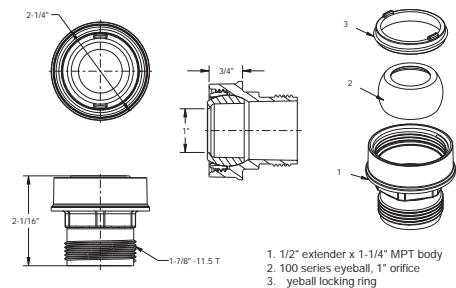
Threads into 1¼" FPT  
Fits into Swimquip/ Sta-Rite #8428 and 8429 (the part with four brass threaded inserts)  
Great for remodels, adds ½" for new finish  
Finishes flush, no protrusion past the surface  
Eliminates the need for costly removal of old fittings (just screw in)  
U.S. patent 8,250,682  
250 per case

Can be extended by stacking with p/n ASDxxx  
Eyeball available in four orifice sizes (1", ¾", ½", slotted)  
Engineered polymer UV-resistant ABS material  
Add'l orifice size suffix: ¾"-B, ½"-C slotted-D (i.e. BSASD101B = ¾" orifice)  
Also available in Clear (p/n BSASD100)

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Part # BSASDxxx



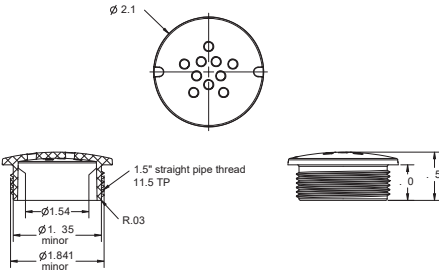
**AquaStop® Pipe Sleeve with Threaded Slurry Seal Cap and O-ring 1½" / 2" / 2½" / 3"**

<p><b>FEATURES</b></p> <p>Similar to original AquaStop® pipe sleeve (see p/n WSxxx) except engineered with additional female thread for polypropylene cap and gasket seal</p> <p>Excess glue will not stick to polypropylene cap</p> <p>Apply with PVC glue to drain pipe prior to pool finish with cap attached to prevent slurry from going into pipes (remove cap after pool finish and acid wash)</p> <p>AquaStop® pipe sleeve prevents leaks after start-up</p> <p>Helps avoid costly repairs</p> <p>Available in four sizes</p> <p>Manufactured from engineered PVC and polypropylene materials</p> <p>250 per case</p> <p>Additional size suffix: 1"-1, 1½"-1.5, 2"-2, 2½"-2.5, 3"-BCR2000-3</p>	 <p>Part # BC2000-xx</p>	 <p>1. Water stop with internal threads 2. Water stop threaded cap 3. Water stop o-ring</p>
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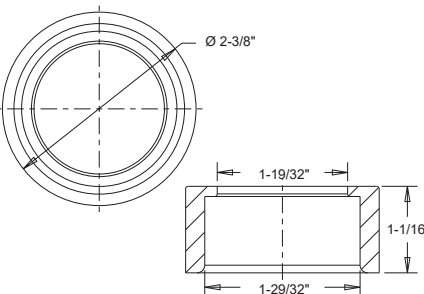
**4"S x 4"S x 2½"S x 2½"S Horizontal T with Two 4" x 3" Reducer Bushings**

<p><b>FEATURES</b></p> <p>NSF-approved materials</p> <p>Universal fit for AquaStar skimmer bottom, and "B" two-port PVC sumps</p> <p>Converts two 2½" spigot to 4" or 3" T</p> <p>Comes complete with two 4" x 3" reducer bushings p/n BU101-4x3</p> <p>Schedule 40 white PVC</p> <p>12 per case</p>	 <p>Part # BFB101</p>	 <p>1. 2.5" socket to 4" socket adapter bushing, qty 2 2. 4" spc. to 3" socket adapter</p>
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**Bubbler Plate**

<p><b>FEATURES</b></p> <p>Available in six standard colors</p> <p>No exposed components</p> <p>Installs flush with side/bottom of pool or spa</p> <p>Fits into most standard 1½" female pipe thread</p>	<p style="background-color: green; color: white; padding: 2px 5px; display: inline-block;">NEW</p>  <p>Part # BPxxx</p>	
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**Bushing to Convert 2" to 1½"**

<p><b>FEATURES</b></p> <p>Converts pipes from 2" to 1½"</p> <p>NSF-approved materials</p> <p>Manufactured from engineered PVC materials</p> <p>25 per case</p>	 <p>Part # BU101-2x1.5</p>	
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For vinyl and fiberglass fittings, see pages 120-121

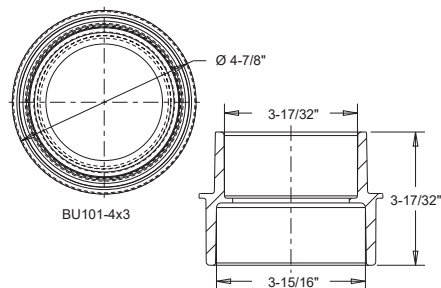
### Bushing to Convert 4" to 3"

#### FEATURES

Converts p/n BFB101 or other pipes from 4" to 3"  
 NSF-approved materials  
 Manufactured from engineered PVC materials  
 25 per case



Part # BU101-4x3



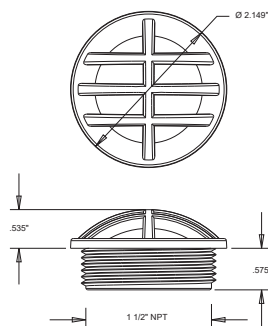
### 1½" Safety Grate Insert (for Use on Fittings Only) 1½" MPT

#### FEATURES

Manufactured from UV-resistant ABS material  
 Threads directly into 1½" FPT  
**CAUTION:** Not to be used as a suction outlet under any circumstances  
 250 per case



Part # CFMxxx



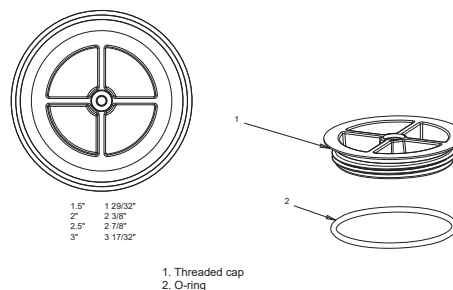
### Winterizing Cap with O-ring 1½" / 2" / 2½" / 3"

#### FEATURES

Threads into FPT  
 Seals off pipes for winterizing  
 Available in four sizes (1½", 2", 2½", 3")  
 Manufactured from UV-resistant ABS material  
 Silicone O-ring for extra tight seal  
 250 per case  
 Additional size suffix: 2"-2, 2½"-2.5, 3"-3 (i.e. CS101-2 = white 2" cap)



Part # CSxxx-x



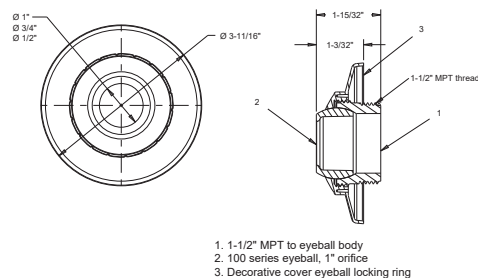
### Three-Piece Decorative Cover

#### FEATURES

Screws into 1½" FPT  
 Great for remodels, quickly changes color of existing 1022s or other fittings  
 Eliminates the need for costly removal of old fittings (just screw in)  
 Large flange camouflages pipe and surface construction variations  
 Eyeball available in four orifice sizes (1", ¾", ½", slotted)  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case  
 Additional orifice size suffix: ¾"-B, ½"-C, slotted-D (i.e. DC101B = white ¾" orifice)



Part # DCxxx



## Standard Eyeball and Nut Replacement

### FEATURES

Change the color or size of your eyeball and nut  
Fits all AquaStar and other brands' female thread and standard eyeball and nut fittings

50 per case

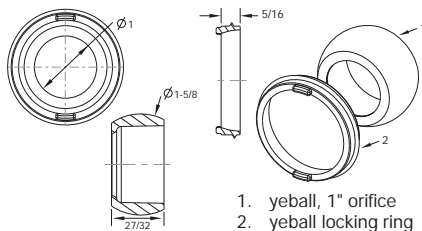
Additional orifice size: 3/4"-B, 1/2"-C, slotted-D  
(i.e. ENB101 = white 3/4" orifice)

100

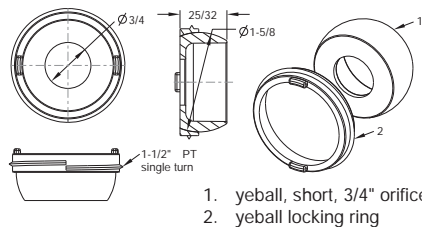
Also available in Clear  
(p/n EN100, ENB100, ENC100, END100)



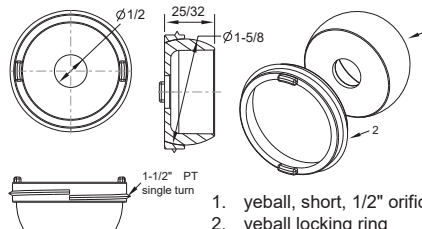
Part # ENxxx



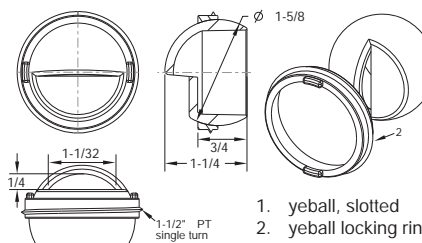
Part # ENBxxx



Part # ENCxxx



Part # ENDxxx



FITTINGS

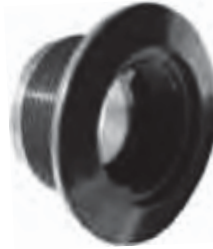
For vinyl and fiberglass fittings, see pages 120-121

### Large Wall Fitting with Threaded OD (Fits 1½" Pipe)

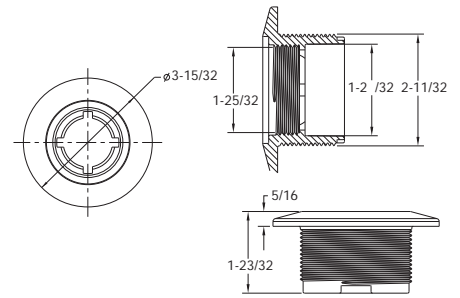
#### FEATURES

Standard 1022 fits outside 1½" pipe, threads inside 2" pipe  
 1½" FPT in front face  
 Large flange camouflages pipe and surface construction variations  
 See also decorative cover p/n DCxxx to make existing 1022s like new with different colors  
 Engineered polymer UV-resistant ABS material  
 250 per case  
 Also available in Clear (p/n ES102200)

00



Part # ES1022xx



### Large Wall Fitting with Water Stop (Fits 1½" Pipe)

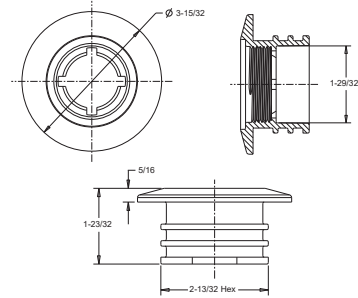
#### FEATURES

Fits outside 1½" pipe  
 1½" FPT in front face  
 Similar to standard 1022 but with integrated water stop to reduce leaks  
 Large flange camouflages pipe and surface construction variations  
 See also decorative cover p/n DCxxx to make existing 1022s like new with different colors  
 Engineered polymer UV-resistant ABS material  
 250 per case  
 Also available in Clear (p/n ES1022WB00)

00



Part # ES1022WBxx

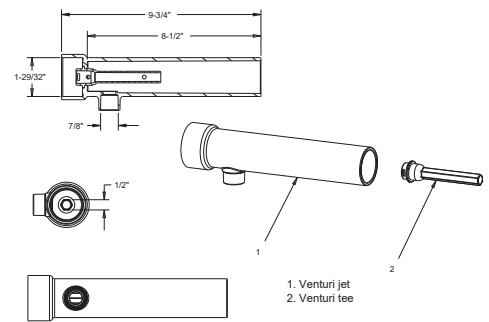


### Extended Venturi Tee for Gunite with Removable Jet

#### FEATURES

Fits: 1½" x 1½" x 1"  
 Back 1½" I.D., front 1½" O.D., 1" x ¾" S/S venturi tee  
 Universal size for great air and water mix  
 Removable jet has bayonet lock for secure positioning  
 Manufactured from white NSF-rated PVC  
 17-20 GPM for best venturi action  
 Use p/n VSJW102 (jet wrench) for removal or installation of jet  
 25 per case

Part # EVT101

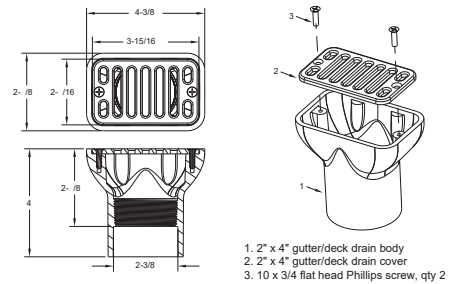


### 2" x 4" Gutter Deck Drain (Fits 2" Pipe)

#### FEATURES

Fits over 2" pipe  
 1½" threaded FPT inside for pressurizing/winterizing  
 Manufactured from engineered polymer UV-resistant PVC material (p/n GDD101 is manufactured from engineered polymer UV-resistant ABS material)  
 1½" reducer bushing available p/n BU101-2x1.5  
 ½" stackable extender available p/n PE20101  
 Stainless steel screws  
 Also available as grate only with two screws  
**CAUTION:** Not to be used as a suction outlet under any circumstances  
 25 per case  
 Grate only p/n GDDLxxx  
 25 per case

Part # GDDxxx, GDDLxxx





## 2" Hydrostatic Relief Valve

### FEATURES

Equalizes pressure for high water tables

Fins enable easy twist for installation and removal

Fits any AquaStar and most other manufacturers' 2" threads

Manufactured from superior UV-resistant engineered polymers

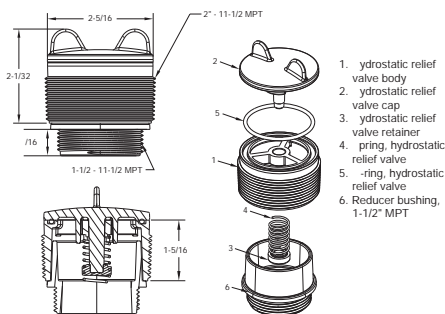
Includes 2" x 1 1/2" reducer bushing

Reducer bushing must be glued into hydrostatic relief valve using ABS glue

25 per case



Part # HVxxx



## Self-Contained Hydrostatic Valve Assembly

### FEATURES

Self-contained unit has a built-in collector tube

Installs directly into the pool finish with no additional plumbing connection required

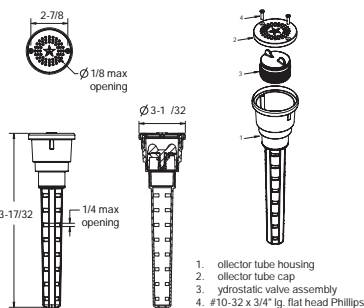
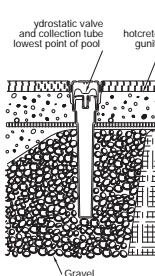
Helps prevent swimming pool damage due to hydrostatic pressure beneath the pool shell when pool is drained

12 per case

HVC05xxx – Cap and Screws



Part # HVCxxx



## Junction Box with Round Lid

### FEATURES

For 1" pipe

Prevents water backflow

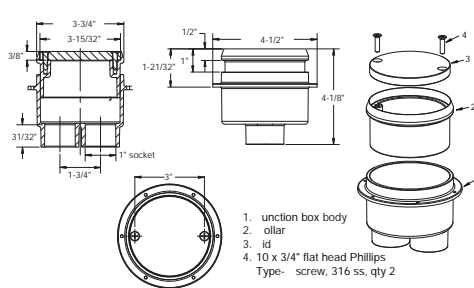
Manufactured from UV resistant ABS material

Not intended as an electrical junction box

NEW



Part # JBRxxx



## Junction Box with Square Lid

### FEATURES

For 1" pipe

Prevents water backflow

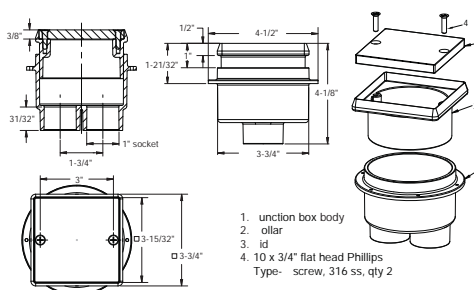
Manufactured from UV resistant ABS material

Not intended as an electrical junction box

NEW



Part # JBSxxx



FITTINGS

For vinyl and fiberglass fittings, see pages 120-121

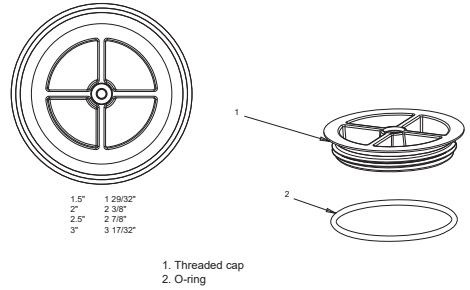
### Plaster Cap with Magnet-Finding Metal Insert 1½" / 2"

#### FEATURES

- Threads into 1½" or 2" FPT
- Seals off pipes during pool finish to allow for clean threads
- Metal insert in cap makes it easy to locate pipes with a magnet after plastering
- Available in two sizes (1½", 2")
- Manufactured from engineered polymer UV-resistant ABS material
- 250 per case
- Additional size suffix: 2"-2 (i.e. JMCP109 = 1½" cap JMCP109-2 = 2" cap)



Part # JMCP109



### Flush Retrofit Eyeball

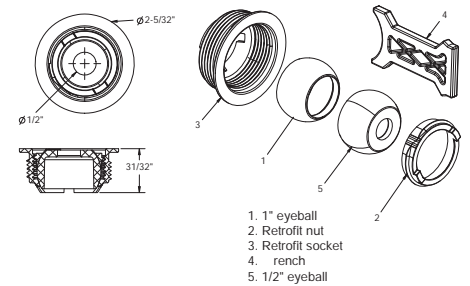
#### FEATURES

- Includes wrench, retrofit nut, retrofit socket, ½" eyeball and 1" eyeball
- Fits flush inside 300 series fittings
- Changes color of existing fitting
- Makes existing old fitting look new
- Eliminates the need to chip out the old fitting

NEW



Part # JOxxx



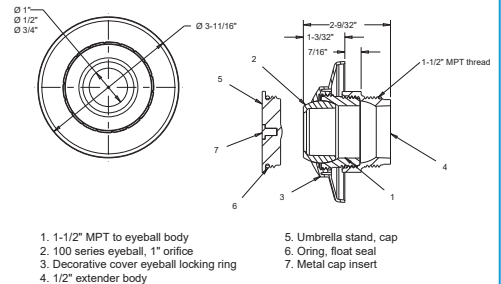
### ½" Extender with Plaster Cap and Three-Piece Decorative Cover

#### FEATURES

- Screws into 1½" FPT
- Removable plaster cap prevents slurry from entering pipes during pool finish, keeps threads clean
- Great for old 1022 fitting remodels, adds ½" for new finish
- Eliminates the need for costly removal of old fittings (just screw in)
- Stack more than one for longer extension
- Large flange camouflages pipe and surface construction variations
- Eyeball available in four orifice sizes (1", ¾", ½", slotted)
- Manufactured from UV-resistant ABS material
- 125 per case
- Add'l orifice size suffix: ¾"-B, ½"-C, slotted-D (i.e. MP101B = ¾" orifice)



Part # MPxxx



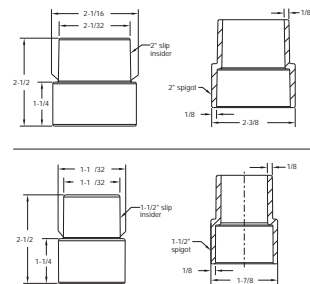
### Pipe Extenders (1½", 2")

#### FEATURES

- PE15101 slips outside 1½" pipe and inside 1½" pipe for easy in-trench pipe extension
- PE20101 slips outside 2" pipe and inside 2" pipe for easy in-trench pipe extension
- NSF 50 approved materials
- Made from PVC
- 250 per case



Part # PE20101 – 2",  
PE15101 – 1½"



For vinyl and fiberglass fittings, see pages 120-121

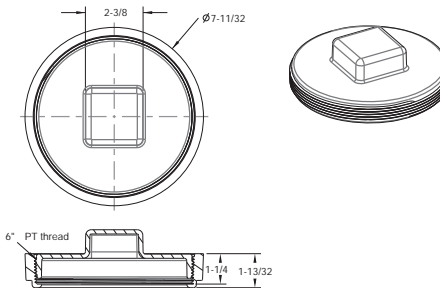
### Pressure Test and Winterizing Kit for 4" and 6" Sumps

#### FEATURES

Used to winterize pools and pressure test pools  
 NSF-approved materials  
 Manufactured from UV resistant ABS material



Part # PTK



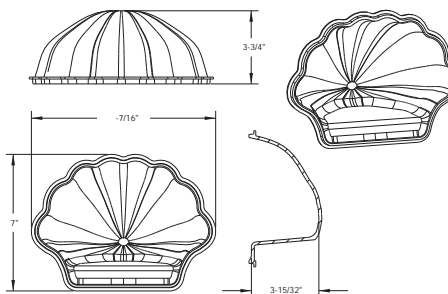
### Shell Wall Step

#### FEATURES

Install into side wall  
 Decorative shell look for step  
 Non-skid surface on step  
 Manufactured from UV-resistant ABS/ASA  
 Adds special look and feel to interior finish  
 Solid exterior grip on full circumference  
 Set of three  
 4 sets per case



Part # SSxxx



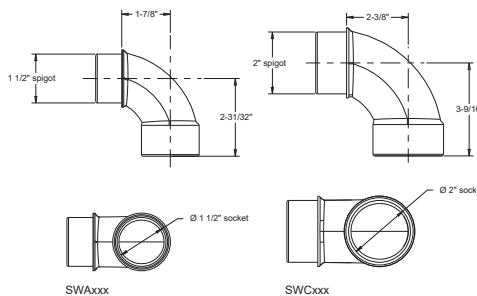
### 90 Degree Sweep Ells Socket x Spigot

#### FEATURES

NSF-approved PVC material  
 Universal fit  
 Title 20/24 compliant  
 Available in 1 1/2" and 2" S x Spg  
 50 per case  
 Available in White



Part # SWA101 – 1 1/2" S x Spg,  
 SWC101 – 2" S x Spg



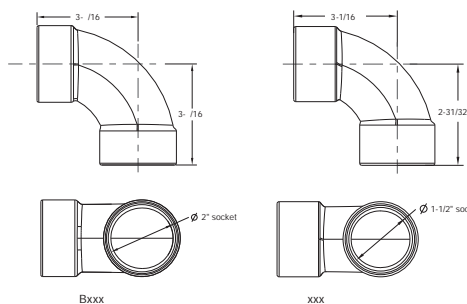
### 90 Degree Sweep Ells Socket x Socket

#### FEATURES

NSF-approved PVC material  
 Universal fit  
 Title 20/24 compliant  
 Available in 1 1/2" and 2" S x S  
 50 per case  
 Available in White



Part # SWB101 – 1 1/2" S x S,  
 SWD101 – 2" S x S



For vinyl and fiberglass fittings, see pages 120-121

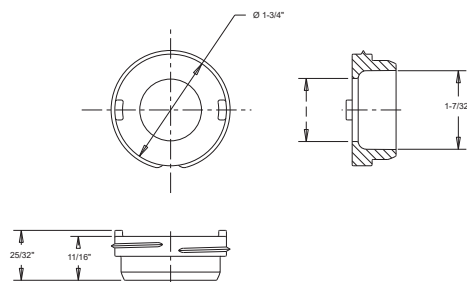
### Straight Flow Insert 1½" MPT

#### FEATURES

Threads directly into 1½" FPT  
 Keeps flow in a straight line eliminating backflow problems due to twisted eyeball, reducing call backs especially with commercial spas  
 Great for in-floor foot jets  
 Manufactured from engineered polymer  
 UV-resistant ABS material  
 250 per case



Part # TMxxx



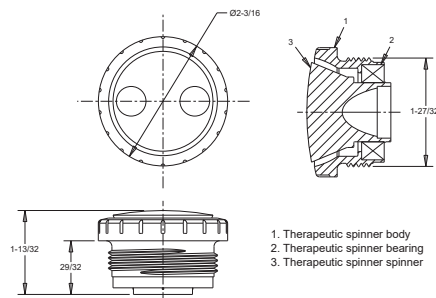
### Therapeutic Spinner, Fits 1½"

#### FEATURES

Screws into any existing 1½" fitting  
 Easily converts 1½" return fittings to therapeutic spinner action, great for spas  
 Stainless steel ball bearing race  
 Manufactured from engineered polymer  
 UV-resistant material  
 100 per case



Part # TSxxx



### 2" High Temperature Union

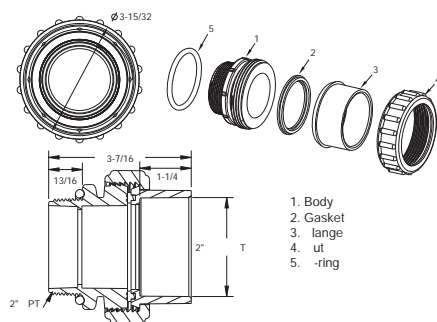
#### FEATURES

Provides easy installation and hassle-free connect and disconnect  
 Self-sealing – no Teflon® tape needed  
 2" MIP x 2" socket  
 Removes stress on mating part  
 50 per case

NEW



Part # UNHT20



### 2" Union with 2" Socket x 2" Socket

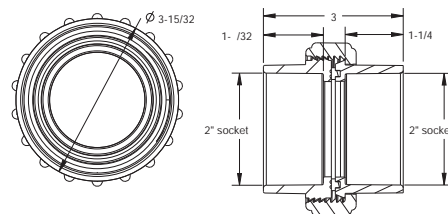
#### FEATURES

Provides easy installation and hassle-free connect and disconnect  
 Self-sealing – no Teflon® tape needed  
 2" socket x 2" socket  
 Removes stress on mating part  
 50 per case

NEW



Part # UN20S



## 2" Union with 2" Socket x 2" Spigot

<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Provides easy installation and hassle-free connect and disconnect</li> <li>Self-sealing – no Teflon® tape needed</li> <li>2" socket x 2" spigot</li> <li>Removes stress on mating part</li> <li>50 per case</li> </ul>	<p style="background-color: green; color: white; padding: 2px; display: inline-block;"><b>NEW</b></p> 	
<p>Part # UN20MS</p>		


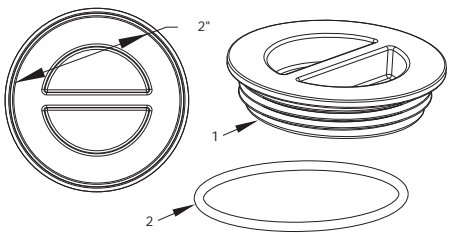
## 7½" Umbrella Stand with Sleeve and Center Cap

<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Great for umbrellas, volleyball poles, tiki torches</li> <li>Install into hole in gunite, apply pool finish to top of stand, install decorative sleeve and center cap after pool finish</li> <li>Can be installed on floor, step or deck</li> <li>Integrated water stop reduces leaks</li> <li>Manufactured from engineered polymer UV-resistant ABS or material</li> <li>Umbrella pole diameter: 1.675"</li> <li>25 per case</li> <li>Also available in Clear (p/n US100)</li> </ul>		 <p style="font-size: small;">1. Umbrella stand, 7½", body 2. Umbrella stand, cap</p>
<p><span style="border: 1px solid black; display: inline-block; width: 15px; height: 15px; margin-right: 5px;"></span> 100</p>	<p>Part # USxxx</p>	

## 5" Umbrella Stand with Sleeve and Center Cap

<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Great for umbrellas, volleyball poles, tiki torches</li> <li>Install into hole in gunite, apply pool finish to top of stand, install decorative sleeve and center cap after pool finish</li> <li>Can be installed on floor, step or deck</li> <li>Integrated water stop reduces leaks</li> <li>Manufactured from engineered polymer UV-resistant ABS material</li> <li>Umbrella pole diameter: 1.675"</li> <li>25 per case</li> <li>Also available in Clear (p/n SMUS100)</li> </ul>		 <p style="font-size: small;">1. Umbrella stand, 5", body 2. Umbrella stand, cap</p>
<p><span style="border: 1px solid black; display: inline-block; width: 15px; height: 15px; margin-right: 5px;"></span> 100</p>	<p>Part # SMUSxxx</p>	

## Umbrella Stand Cap with Gasket Seal 1½" MPT

<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Threads into 1½" FPT</li> <li>Seals off pipes during pool finish to allow for clean threads</li> <li>Decorative option for winterizing pipes</li> <li>Manufactured from engineered polymer UV-resistant ABS material</li> <li>Silicone O-ring for extra tight seal</li> <li>For use with USxxx and SMUSxxx</li> <li>250 per case</li> </ul>		 <p style="font-size: small;">1. mbrella stand, cap 2. -ring</p>
<p>Part # USCGxxx</p>		

FITTINGS

For vinyl and fiberglass fittings, see pages 120-121

### AquaStop® Pipe Sleeves (1" / 1.5" / 2" / 2.5" / 3")

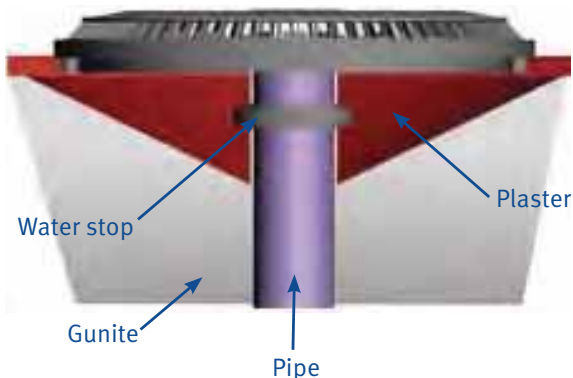
The most common cause of leaks in a pool is the surface materials not bonding with the pipes. Our AquaStop® pipe sleeves provide a longer surface area for increased bonding with the pool finish. This creates a barrier around the pipe to prevent water from leaking.

#### FEATURES

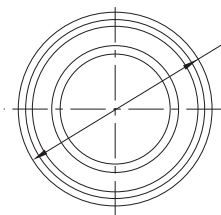
- Prevents leaks
- Helps avoid costly repairs
- Available in five sizes
- Manufactured from engineered polymer PVC material
- 250 per case

#### STANDARD COLORS

- 101 – White
- WS801 – 1"
- WS901 – 1½"
- WS1001 – 2"
- WS1101 – 2½"
- WS1201 – 3"



Part # WSxxx



1"	2-11/32"
1.5"	2-15/16"
2"	3-7/16"
2.5"	3-15/16"
3"	4-1/16"



FITTINGS

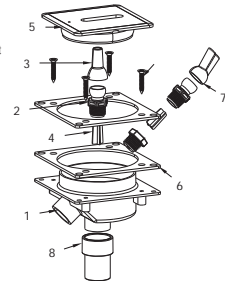
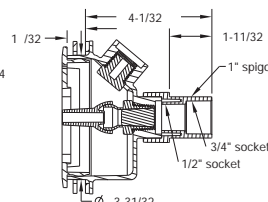
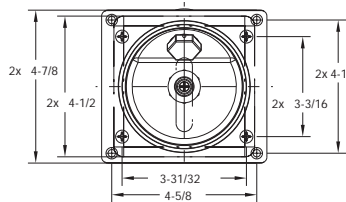
### Wall/Deck Spouts

#### FEATURES

- Creates an adjustable water stream from the tile line or deck
- Manufactured from UV-resistant ABS material
- Fiberglass model (p/n WJFxxx) includes face plates, body, gaskets, plug, screws, plumbing adapter, single and dual stream nozzles
- Gunite model (p/n WJxxx) includes face plates, body, plug, plumbing adapter, single and dual stream nozzles
- 25 per case



Part # WJxxx, WJFxxx



1. Body, wall et
  2. Yeball, 1/2 MPT, wall et
  3. Single nozzle, wall et
  4. Low insert, wall et
  5. Cover, wall et
  6. Gasket, wall et
  7. Dual nozzle, wall et
  8. Pipe adapter, wall et
  9. Screw, wall et
  10. Plug, wall et
- not included with xxx



**AQUATHUNDER®  
SPA JETS**

# AQUATHUNDER® THERAPEUTIC SPA JET

AquaThunder® spa jets are designed for maximum efficiency. The soothing water/air combination will give your next spa project great therapeutic massage action. The PVC housing makes assembly a breeze and threaded interchangeable jet barrels are available for a variety of combinations. The adjustable jet fitting is made with a flange so it won't interfere with the adjustment ring, making it easier to regulate the water flow. The pool finish can go right up against the outer flange, giving it a very clean look.



## AquaThunder Jet Fitting with Flange

### FEATURES

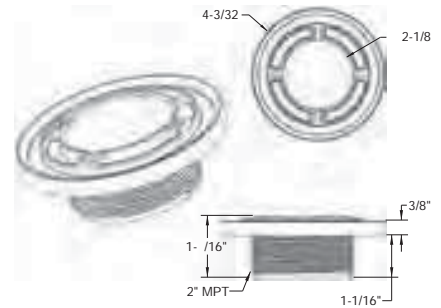
- Threaded design screws to housing
- Designer outer flange
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- 25 per case

### STANDARD COLORS

<input type="checkbox"/> 101	<input type="checkbox"/> 103	<input type="checkbox"/> 105
<input type="checkbox"/> 102	<input type="checkbox"/> 104	<input type="checkbox"/> 108



Part # ATFxxx



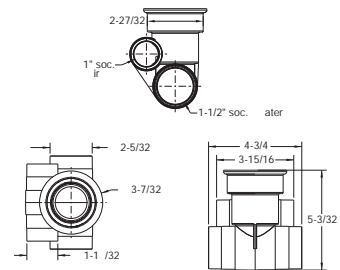
## AquaThunder Jet Housing

### FEATURES

- Made from PVC
- Separate water and air tubes
- Interchangeable with most popular brands
- White only
- 25 per case



Part # ATH101





# AQUATHUNDER® THERAPEUTIC SPA JET

## 2½" GUNITE JET BODY ASSEMBLY

### FEATURES

- Wide range of plumbing options
- Compatible with gunite finishes
- Wide variety of nozzle configurations
- Easily interchangeable jet styles
- 2" socket (water) x 1½" socket (air)
- 1" and 2½" pipes not included
- New WaterStop included on Jet Niche

**NEW**



U.S. patents pending

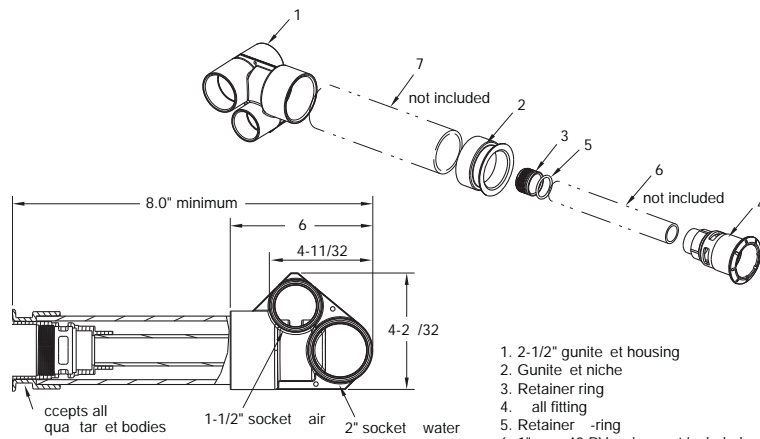
Part # ATGxxx

### STANDARD COLORS

- ATG101 – White
- ATG102 – Black
- ATG103 – Light Gray
- ATG105 – Dark Gray





Also available without niche  
p/n ATG2xx

Jet housing only available in white



- 2-1/2" gunite jet housing
- Gunite jet niche
- Retainer ring
- all fitting
- Retainer ring
- 1" 40 PV pipe not included
- 2-1/2" 40 PV pipe not included

SPA JETS

STANDARD COLORS  101  102  103  105

### AquaThunder 2½" Gunite Jet Housing

#### FEATURES

Made from PVC  
Separate water and air tubes  
2" socket (water)  
1½" socket (air)  
Interchangeable with most popular brands  
White only



NEW

Part # AT127101

### AquaThunder Gunite Jet Niche

#### FEATURES

Fits the AT127 housing  
Made from PVC  
Connects to the 2½" Gunite Jet Housing by  
2½" PVC schedule 40 pipe (pipe not included)

U.S. patent pending



NEW

Part # AT128xxx

### AquaThunder Retainer Ring

#### FEATURES

Fits the AT127 housing  
Made from PVC  
Threaded design screws into 2½" Gunite Jet Housing



NEW

Part # AT129xxx

### AquaThunder Wall Fitting

#### FEATURES

Fits the AT127 housing  
Made from PVC  
Connects to retainer ring by 1" PVC schedule 40 pipe  
(pipe not included)  
Designed to fit inside Gunite Jet Niche



NEW

Part # AT130xxx

SPA JETS

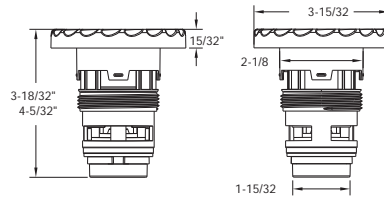
### AquaThunder Jet Barrel

#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing



Part # ATBxxx



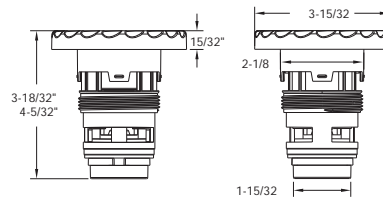
### AquaThunder Jet Barrel with Therapeutic Spinner

#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Stainless steel ball bearing race for smooth and durable spinning action
- Fits ATHxx and ATGxxx housing



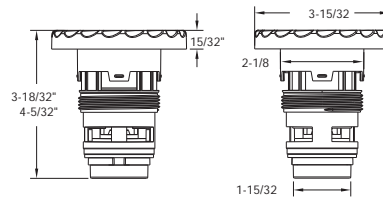
Part # ATBTSxxx



### AquaThunder Rotational Jet Barrel (Single / Double)

#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing



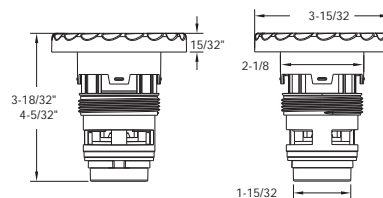
### AquaThunder Massage Jet Barrel

#### FEATURES

- Rotates for massage therapy
- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing



Part # ATGB5xx



### WaveJet™ Jet Barrel with Rubber Over-Mold

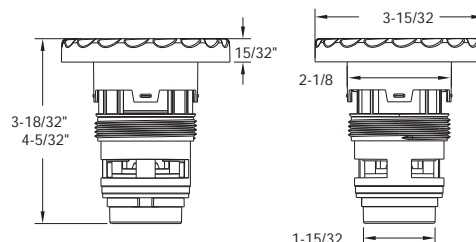
#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing

**NEW**



Part # ATBxxxxA-7



### WaveJet™ Jet Barrel with Therapeutic Spinner with Rubber Over-Mold

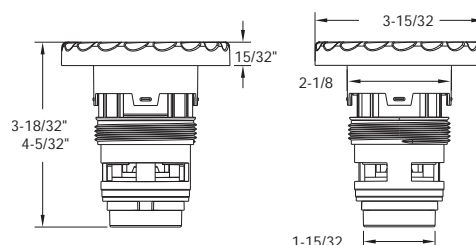
#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Stainless steel ball bearing race for smooth and durable spinning action
- Fits ATHxx and ATGxxx housing

**NEW**



Part # ATBTSxxxxA-7



### WaveJet™ Rotational Jet Barrel with Rubber Over-Mold (Single / Double)

#### FEATURES

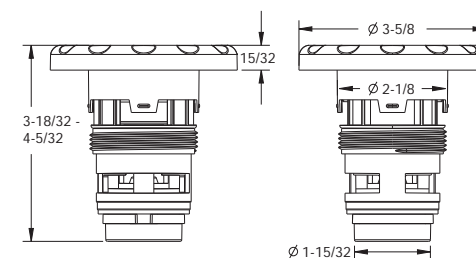
- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing

**NEW**

Part # ATGB3xxxxA-7



Part # ATGB4xxxxA-7



### WaveJet™ Massage Jet Barrel with Rubber Over-Mold

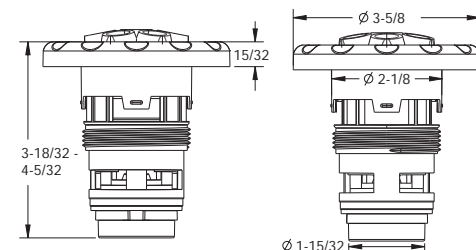
#### FEATURES

- Clean scallop design
- Adjustable front flange
- Threaded for easy assembly
- Made from ABS engineering grade resin
- Interchangeable with most popular brands
- Fits ATHxx and ATGxxx housing

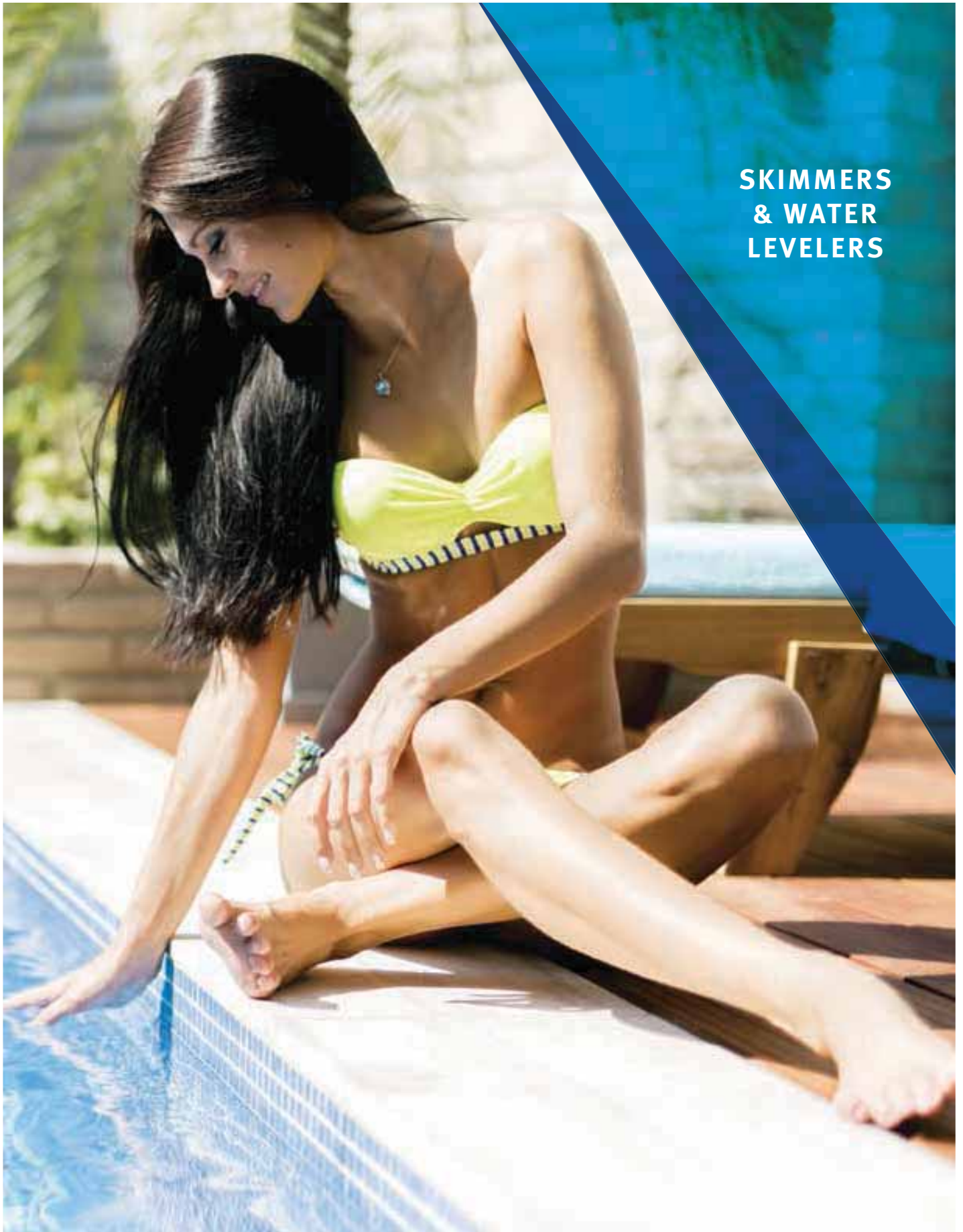
**NEW**



Part # ATGB5xxxxA-7



SPA JETS



**SKIMMERS  
& WATER  
LEVELERS**

# FLOW STAR® STANDARD SKIMMER WITH WATER STOP FACE, FLOAT ASSEMBLY, BASKET, LID AND ADJUSTABLE COLLAR



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Self-contained gunite grip, water stop on face plate to prevent water leaks
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)
- See page 93 for Skimmer with Ozone Port
- 1 per case

Now available with three lid options: round, square or snap-in round/square



Optional vacuum plate with snap-in lug can be glued in under lid for easy storage p/n SK43101

Part # SKR1xx

For vinyl and fiberglass options, see pages 116-119

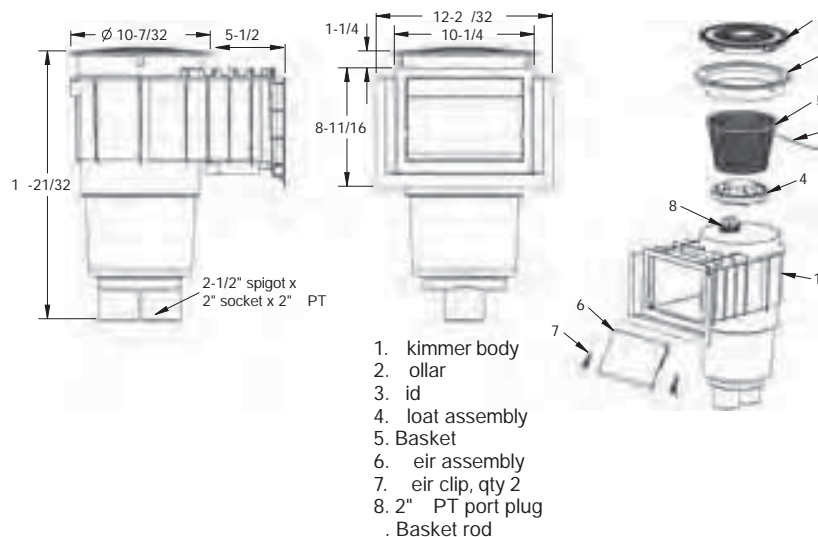
## STANDARD COLORS

- SKR101 – White
- SKR102 – Black
- SKR103 – Light Gray
- SKR104 – Blue
- SKR105 – Dark Gray
- SKR108 – Tan

Snap-in Round/Square Lid and Collar (sold separately) p/n SK65xxx

Square Lid and Collar (sold separately) p/n SK64xxx

Available without lid and collar SKR1NL101 (white only)



SKIMMERS & LEVELERS

# FLOW STAR® STANDARD SKIMMER WITH FLUSH FACE, FLOAT ASSEMBLY, BASKET, LID AND ADJUSTABLE COLLAR



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)
- 1 per case

Now available with three lid options: round, square or snap-in round/square



Optional vacuum plate with snap-in lug can be glued in under lid for easy storage p/n SK43101

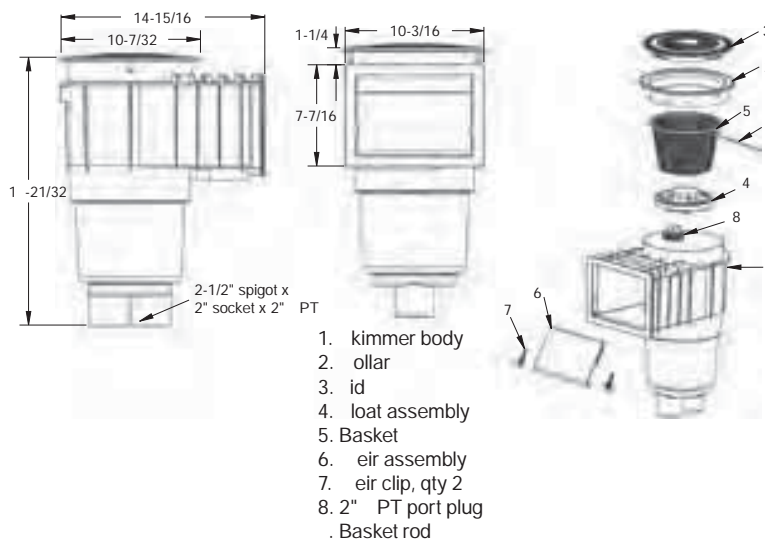
Part # SKR2xx

For vinyl and fiberglass options, see pages 116-119

## STANDARD COLORS

- SKR201 – White
- SKR202 – Black
- SKR203 – Light Gray
- SKR204 – Blue
- SKR205 – Dark Gray
- SKR208 – Tan

Snap-in Round/Square Lid and Collar (sold separately) p/n SK65xxx  
 Square Lid and Collar (sold separately) p/n SK64xxx  
 Available without lid and collar SKR2NL101 (white only)



SKIMMERS & LEVELERS

# FLOW STAR® SKIMMER WITH FLUSH FACE 4" EXTENSION, FLOAT ASSEMBLY, BASKET, LID AND COLLAR



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- 1" built-in overflow or fill line knock-out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)
- 1 per case

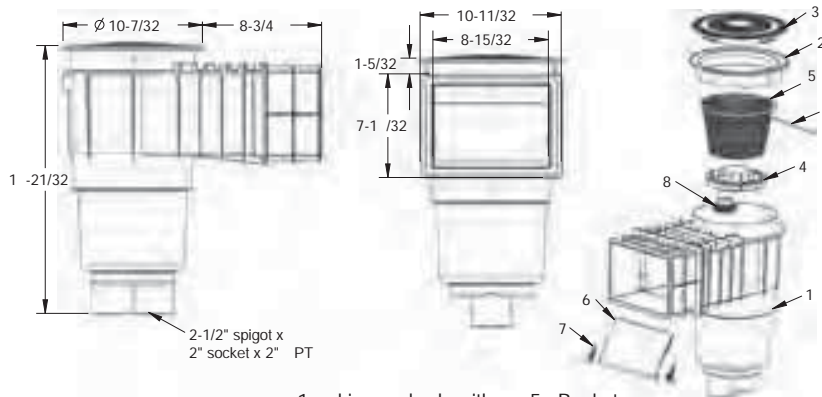
**NEW**



Part # SKR14xxx

## STANDARD COLORS

- SKR14101 – White
- SKR14102 – Black
- SKR14103 – Light Gray
- SKR14104 – Blue
- SKR14105 – Dark Gray
- SKR14108 – Tan



1. skimmer body with 4" extension
2. collar
3. lid
4. float assembly
5. basket
6. weir assembly
7. weir clip, qty 2
8. 2" PT port plug  
Basket rod

SKIMMERS & LEVELERS



# FLOW STAR® WATER BONDED SKIMMER WITH WATER STOP FACE, FLOAT ASSEMBLY, BASKET, LID, ADJUSTABLE COLLAR



Built in conformance with NSF 50, SPS3, UL1081, UL1563 and CAN/CSA-C 22.2



## FEATURES

- Bonding plate and copper wire connection meet NEC section 680.2 C.
- Conforms to UL 1081, UL 1563, CAN/CSA-C22.2
- Bonding plate is safely placed behind the skimmer basket, for constant water contact, even when the pump is off
- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Self-contained gunite grip, water stop on face plate to prevent water leaks
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Additional box inside skimmer box for basket, float assembly and weir plate (so assembly does not get lost on job site)
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)

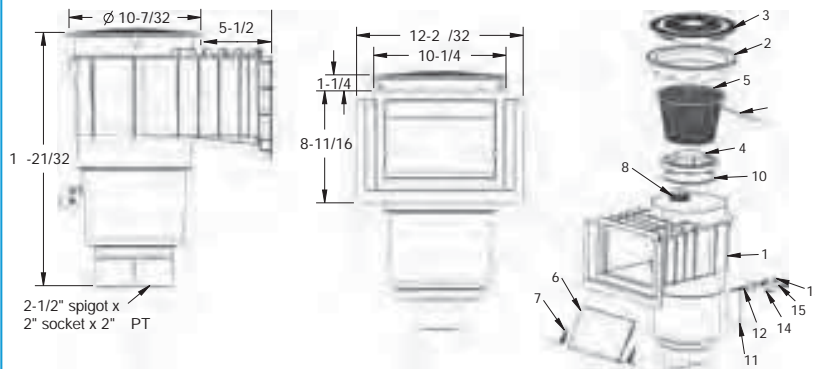
**NEW**



Part # SKR15xxx

## STANDARD COLORS

- SKR15101 – White
- SKR15102 – Black
- SKR15103 – Light Gray
- SKR15104 – Blue
- SKR15105 – Dark Gray
- SKR15108 – Tan



- |                     |  |
|---------------------|--|
| 1. skimmer body     | 10. Gasket                             |
| 2. collar           | 11. Bonding plate                      |
| 3. lid              | 12. Rubber washer, bonding seal, qty 2 |
| 4. float assembly   | 13. 1/4-20 hex nut, 316 ss, qty 2      |
| 5. Basket           | 14. Bonding clamp                      |
| 6. weir assembly    | 15. Bonding screw                      |
| 7. weir clip, qty 2 |  |
| 8. 2" PT port plug  |  |

SKIMMERS & LEVELERS

# FLOW STAR® WATER BONDED SKIMMER WITH FLUSH FACE, FLOAT ASSEMBLY, BASKET, LID AND ADJUSTABLE COLLAR



Built in conformance with NSF 50, SPS3, UL1081, UL1563 and CAN/CSA-C 22.2



## FEATURES

- Bonding plate and copper wire connection meet NEC section 680.2 C
- Conforms to UL 1081, UL 1563, CAN/CSA-C22.2
- Bonding plate is safely placed behind the skimmer basket, for constant water contact, even when the pump is off
- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)
- 1 per case

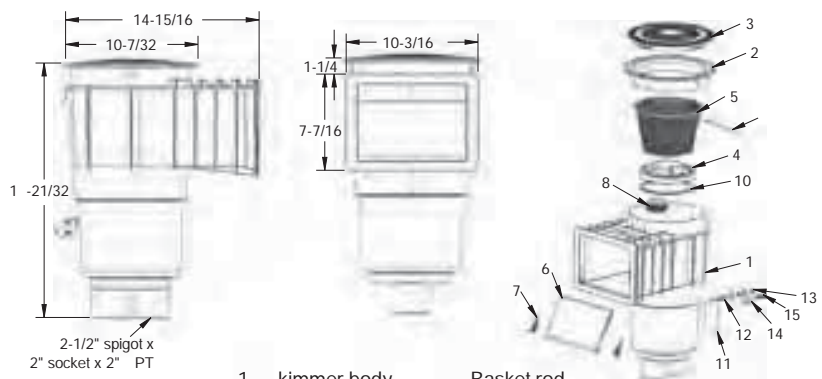
**NEW**



Part # SKR17xxx

## STANDARD COLORS

- SKR17101 – White
- SKR17102 – Black
- SKR17103 – Light Gray
- SKR17104 – Blue
- SKR17105 – Dark Gray
- SKR17108 – Tan



- |                     |  |
|---------------------|--|
| 1. skimmer body     | 10. Gasket                             |
| 2. collar           | 11. Bonding plate                      |
| 3. lid              | 12. Rubber washer, bonding seal, qty 2 |
| 4. float assembly   | 13. 1/4-20 hex nut, 316 ss, qty 2      |
| 5. Basket           | 14. Bonding clamp                      |
| 6. weir assembly    | 15. Bonding screw                      |
| 7. weir clip, qty 2 |  |
| 8. 2" PT port plug  |  |

SKIMMERS & LEVELERS

# FLOW STAR® STANDARD SKIMMER WITH WATER STOP FACE, FLOAT ASSEMBLY, BASKET, LID, ADJUSTABLE COLLAR AND OZONE PORT



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Includes: Skimmer with Ozone Port, Bubbler Plate, Flush Mount Return Fitting with Waterstop/Eyeball/Nut, and Junction Box with Round and Square Lids
- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Self-contained gunitite grip, water stop on face plate to prevent water leaks
- Large self-contained basket with lock-in feature (will not float)
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip, 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock out
- Upper housing has pre-cut rebar cut outs with pre-drilled holes for tie wire
- Additional box inside skimmer box for basket, float assembly and weir plate (so assembly does not get lost on job site)
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 500 piece lid order)
- 1 per case

**NEW** Available with three lid options: round, square or snap-in round/square



Part # SKR1xx-OZ

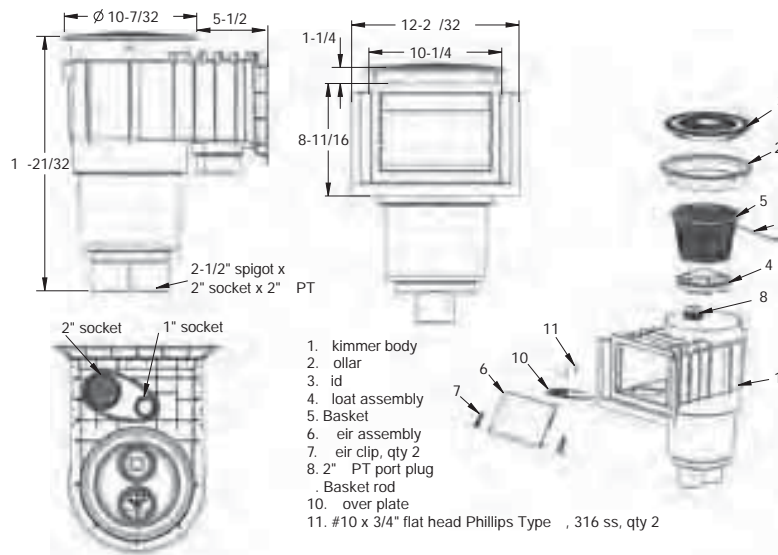
See page 133 for installation diagram

## STANDARD COLORS

- SKR101-OZ – White
- SKR102-OZ – Black
- SKR103-OZ – Light Gray
- SKR104-OZ – Blue
- SKR105-OZ – Dark Gray
- SKR108-OZ – Tan

Snap-in Round/Square Lid and Collar (sold separately) p/n SK65xxx

Square Lid and Collar (sold separately) p/n SK64xxx

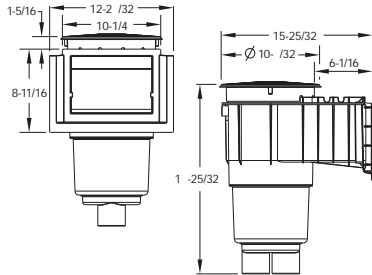


SKIMMERS & LEVELERS

# SKIMMER OPTIONS

STANDARD COLORS  101  102  103  104  105  108

## Standard Waterstop Face Round Lid



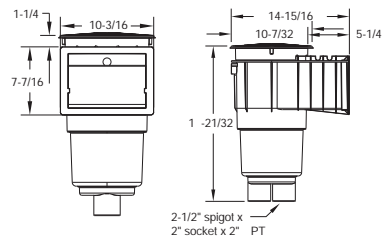
**SKR1xx**  
Standard Skimmer  
with Waterstop Face  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR1xxD**  
Single Bottom Port  
4" Socket\*

**SKR1xxF**  
Single Bottom Port  
6" Socket\*

page 88

## Standard Flush Face Round Lid



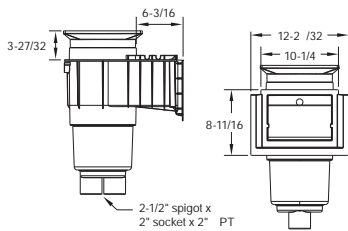
**SKR2xx**  
Standard Skimmer  
with Flush Face  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR2xxD**  
Single Bottom Port  
4" Socket\*

**SKR2xxF**  
Single Bottom Port  
6" Socket\*

page 89

## Standard Waterstop Face Square Lid



**SK64xxx** Square Lid and  
Collar (sold separately)

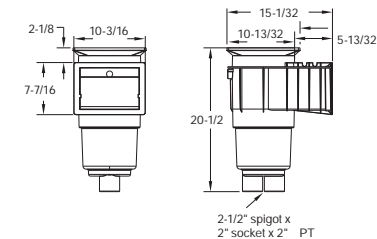
**SKR1xx**  
Standard Skimmer  
with Waterstop Face  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR1xxD**  
Single Bottom Port  
4" Socket\*

**SKR1xxF**  
Single Bottom Port  
6" Socket\*

page 88

## Standard Flush Face Square Lid



**SK64xxx** Square Lid and  
Collar (sold separately)

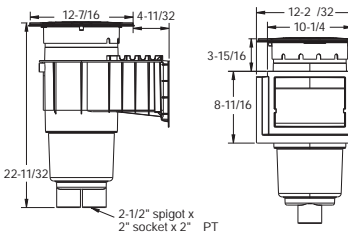
**SKR2xx**  
Standard Skimmer  
with Flush Face  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR2xxD**  
Single Bottom Port  
4" Socket\*

**SKR2xxF**  
Single Bottom Port  
6" Socket\*

page 89

## Standard Waterstop Face Round/Square Snap-in Lid



**SK65xxx** Snap-in  
Round/Square Lid and  
Collar (sold separately)

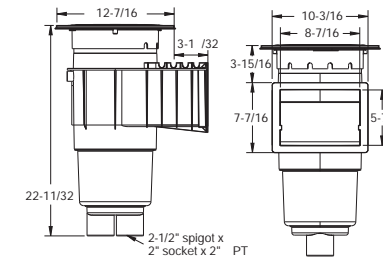
**SKR1xxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR1xxxD**  
Single Bottom Port  
4" Socket\*

**SKR1xxxF**  
Single Bottom Port  
6" Socket\*

page 88

## Standard Flush Face Round/Square Snap-in Lid



**SK65xxx** Snap-in  
Round/Square Lid and  
Collar (sold separately)

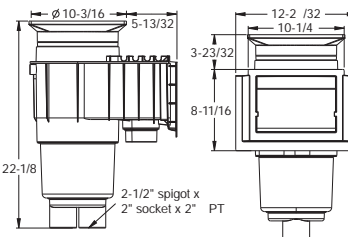
**SKR2xxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKR2xxxD**  
Single Bottom Port  
4" Socket\*

**SKR2xxxF**  
Single Bottom Port  
6" Socket\*

page 89

## Standard Waterstop Face Round/Square Snap-in Lid



**SK65xxx** Snap-in  
Round/Square Lid and  
Collar (sold separately)

**SKR1xx-OZ**  
with Float Assembly  
and new Ozone Port  
Dual Bottom Port  
2½" Spigot x 2" Socket

page 93

## All AquaStar products are made in the U.S.



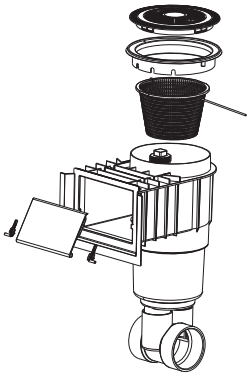
Every AquaStar pool product is designed and manufactured in the United States, ensuring the highest quality merchandise. Our entire product line is designed to provide the very best look, feel and performance.

\*Includes Pressure Test Plug

# SKIMMER OPTIONS AND ACCESSORIES

STANDARD COLORS  101  102  103  104  105  108

## Adaptor Bushing



Eliminates the need to reduce down 4" or 3" plumbing when connecting to skimmer or "B" two-port PVC sump

Converts two 2½" spigot to 4" or 3" T

Includes two 4" x 3" reducer bushings

Shown as an example only – parts are sold separately

Part # SKR1xx with BFB101

## Skimmer Basket



Large self-contained basket locks in to remain in place during on and off pump cycles

White only

Part # SK6

50/case

## 3" Skimmer Extension Collar



Stack multiple collars to reach desired deck or bond beam height

Fits into AquaStar and most standard round skimmer collars (Sta-Rite/Pentair)

Part # SECxxx

20/case

## Float Assembly



O-ring gasket seals and locks float to remain at desired level during on and off pump cycles

White only

Part # SKFL101

24/case

## Weir Plate Assembly for Standard & Vinyl/Fiberglass Skimmers



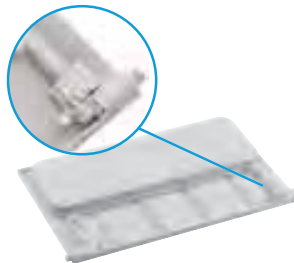
Weir plate noise is reduced with underwater tabs in front face of skimmers

Now includes weir clip locks to secure weir clips in place

Part # SKWDxxx

24/case

## Weir Clips



Clips snap in/out for easy replacement

Black only

Part # SK902

Set of 2, 50 sets/case

# SKIMMER ACCESSORIES

STANDARD COLORS  101  102  103  104  105  108

## Round Skimmer Lid



UV tested to latest standard  
Optional custom name/  
logo insert p/n RTxxxA  
(min 500 pc order)  
Fits AquaStar and most  
standard round skimmer  
collars (Sta-Rite/Pentair)

Part # RTxxx

25/case

## Adjustable Round Skimmer Collar



Adjustable collar levels  
out uneven surfaces  
Fits AquaStar and most  
standard skimmers  
(Sta-Rite/Pentair)

Part # SK5xxx

20/case

## Round Skimmer Lid and Collar



UV tested to latest standard  
Optional custom name/logo  
insert p/n SKRTxxxA  
(min 500 pc order)  
Fits AquaStar and most  
standard skimmers  
(Sta-Rite/Pentair)

Part # SKRTxxx

25/case

## Vacuum Plate



Snaps under skimmer lid  
for easy storage  
White only

Part # SK43101

25/case

## Square Skimmer Lid



UV tested to latest standard  
Optional custom name/  
logo insert p/n SK63xxxA  
(minimum 100-piece order)  
Fits AquaStar and most  
standard square skimmer  
collars (Sta-Rite/Pentair)

Part # SK63xxx

24/case

## Square Skimmer Collar



Adjustable collar levels  
out uneven surfaces  
Fits AquaStar and most  
standard skimmers  
(Sta-Rite/Pentair)

Part # SK61xxx

6/case

# SKIMMER ACCESSORIES

STANDARD COLORS  101  102  103  104  105  108

## Square Skimmer Lid and Collar



UV tested to latest standard features

Optional custom name/logo insert p/n SK64xxxA (minimum 100-piece order)

Fits AquaStar and most standard skimmers (Sta-Rite/Pentair)

Part # SK64xxx

6/case

## Round/Square Snap-in Lid and Collar



Round lid snaps into square housing

UV tested to latest standard Optional custom name/logo insert p/n SK65xxxA (minimum 100-piece order)

Fits AquaStar and most standard skimmers (Sta-Rite/Pentair)

Part # SK65xxx

8/case

## Weir Plate Assembly for ZarStar™ Skimmers



Weir plate noise is reduced with underwater tabs in front face of skimmers

Weir clip lock secures the clips in the weir door

Part # SKZ112xxx

12/case

## Large Basket for ZarStar™ Skimmer and Pre-Filter



Large 19½" size basket filters more debris than standard size skimmer baskets

Allows debris to be pre-filtered before entering pump and filter baskets

White only

Part # SKZ214

9/case

## Basket Adapter for ZarStar™ Pre-Filter



Attaches pre-filter basket to pre-filter body

White only

Part # SKZ217

18/case

## Filter Lock-Down Ring for ZarStar™ Skimmer



Locks down filter bag and basket into the skimmer body

White only

Part # SKZ218

24/case

## Vacuum Thread Adapter for ZarStar™ Skimmer and Pre-Filter



Enables suction side vacuum to be attached to skimmer or pre-filter instead of using a wall vacuum port

White only

Part # SKZ219

24/case

## Filter Bag for ZarStar™ Skimmer and Pre-Filter



300-micron filter bag allows debris to be pre-filtered before entering the pump and filter baskets

White only

Part # SKZ216

24/case

# ZARSTAR™ SKIMMER WITH LARGE BASKET, FILTER BAG, ADJUSTABLE COLLAR, LID AND OZONATOR PORTS



High capacity and drought-tolerant



## FEATURES

- Can be installed alone or with Drain/Vacuum Pre-Filter p/n SKZ111xxx (see page 100 for installation options)
- Large 19½" x 6" self-contained basket and 300-micron filter bag allow debris from suction side vacuum to be pre-filtered before flowing to the pump and filter baskets
- Improves efficiency of pump by minimizing debris collection in the pump's filter basket
- Adjustable collar and lid G154 UV tested
- Optional custom name/logo engraved on lid (requires minimum 100 piece lid order)
- Tall/narrow weir plate enables streamlined installation and less water evaporation
- Weir clip lock secures the clips in the weir door
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (no transitional glue required)
- 2½" outside slip and 2" inside slip (skimmer ports)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line port
- 1 per case
- U.S. and foreign patents pending

Now available with three lid options: round, square or snap-in round/square



Optional Installation with Drain/Vacuum Pre-Filter  
See page 100 for installation options

Part # SKZ101xxx

See page 101 for lid options

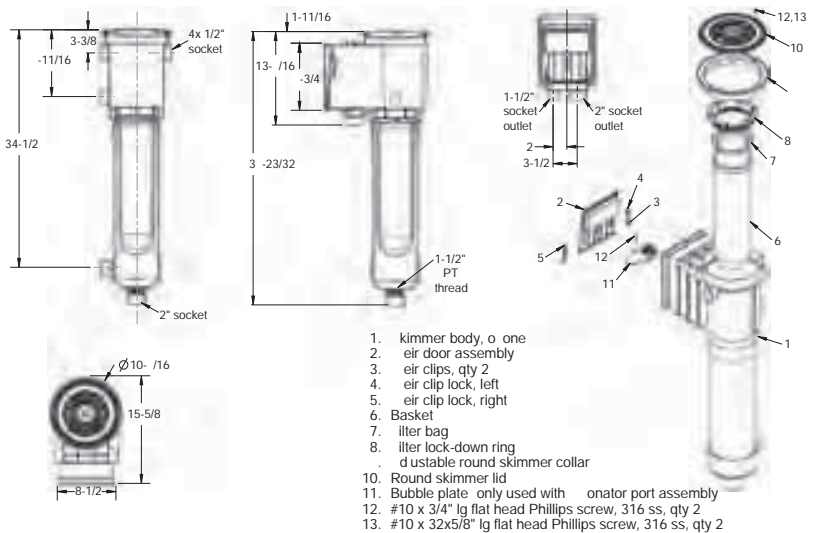
## STANDARD COLORS

- SKZ101101 – White
- SKZ101102 – Black
- SKZ101103 – Light Gray
- SKZ101104 – Blue
- SKZ101105 – Dark Gray
- SKZ101108 – Tan

Also available without ozonator ports  
p/n SKZ102xxx

Snap-in Round/Square Lid and Collar  
(sold separately) p/n SK65xxx

Square Lid and Collar (sold separately)  
p/n SK64xxx



SKIMMERS & LEVELERS



# ZARSTAR™ DRAIN/VACUUM PRE-FILTER WITH LARGE BASKET, FILTER BAG, ADJUSTABLE COLLAR AND LID



High capacity and drought-tolerant



## FEATURES

Can be installed alone or with ZarStar Skimmer p/n SKZ101xxx (see page 100 for installation options)

Attaches to vacuum port line

Large 19½" x 6" self-contained basket and 300-micron filter bag allow debris from suction side vacuum to be pre-filtered before flowing to the pump and filter baskets

Improves efficiency of pump by minimizing debris collection in the pump's filter basket

Adjustable collar and lid G154 UV tested

Optional custom name/logo engraved on lid (requires minimum 100 piece lid order)

Super strong engineered polymer upper housing

Extra heavy duty PVC lower unit (no transitional glue required)

2½" outside slip and 2" inside slip ports

2" threads inside for pressure testing

Built-in overflow or fill line port

1 per case

U.S. and foreign patents pending

Now available with three lid options:  
round, square or snap-in round/square



Optional Installation with Drain/Vacuum Pre-Filter  
See page 100 for installation options

Part # SKZ111xxx

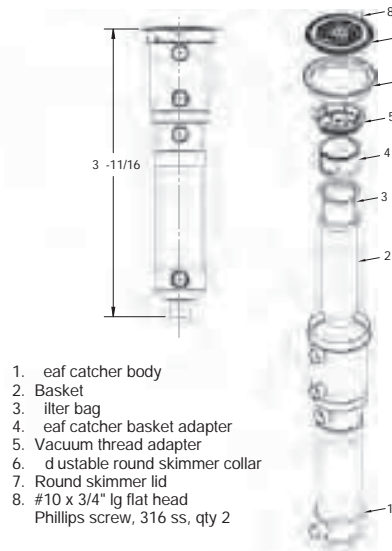
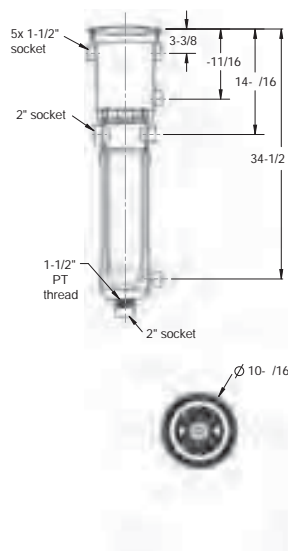
See page 101 for lid options

## STANDARD COLORS

- SKZ111101 – White
- SKZ111102 – Black
- SKZ111103 – Light Gray
- SKZ111104 – Blue
- SKZ111105 – Dark Gray
- SKZ111108 – Tan

Snap-in Round/Square Lid and Collar  
(sold separately) p/n SK65xxx

Square Lid and Collar (sold separately)  
p/n SK64xxx

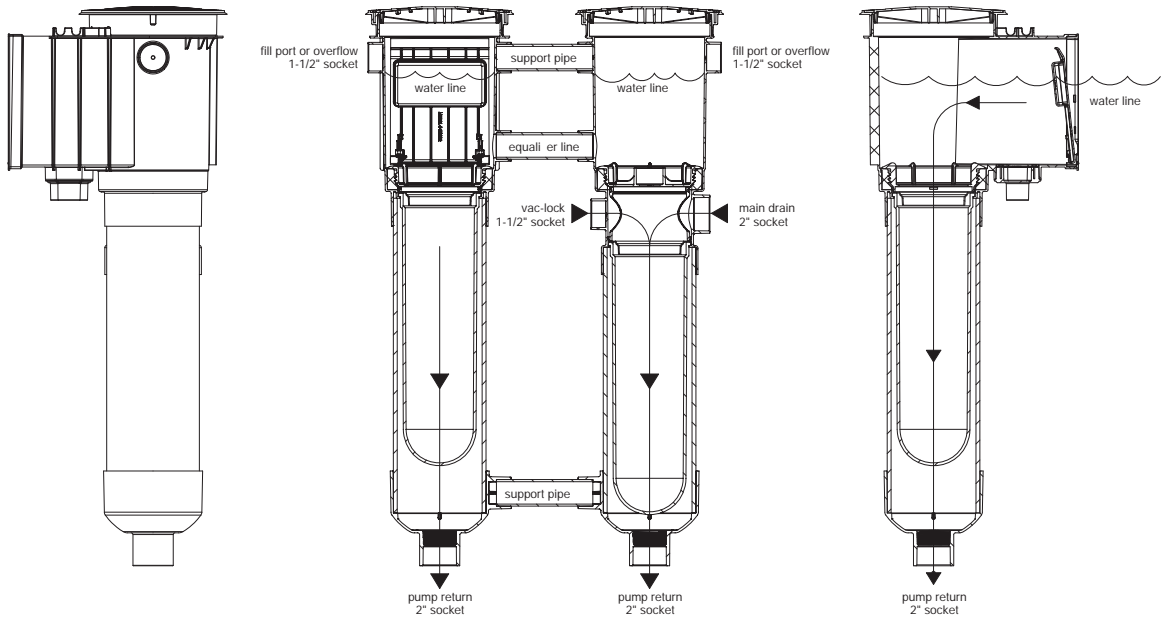


SKIMMERS & LEVELERS

# ZARSTAR™ INSTALLATION OPTIONS

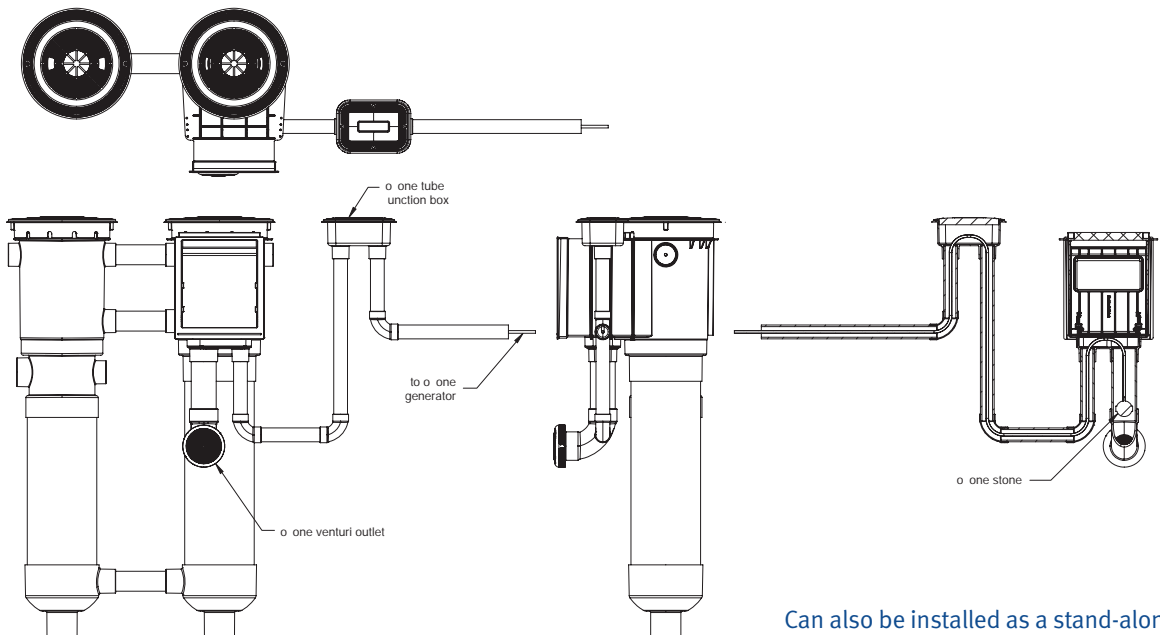
STANDARD COLORS  101  102  103  104  105  108

## Zarstar Skimmer and Drain/Vacuum Pre-Filter Installation



Can also be installed as a stand-alone skimmer or drain/vacuum pre-filter

## Zarstar Skimmer and Drain/Vacuum Pre-Filter Installation with Optional Ozonator



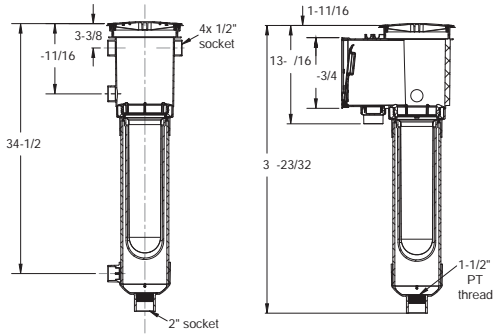
Can also be installed as a stand-alone skimmer with or without ozonator or as a stand-alone drain/vacuum pre-filter

SKIMMERS & LEVELERS

# ZARSTAR™ LID OPTIONS

STANDARD COLORS  101  102  103  104  105  108

## ZarStar™ Skimmer with Ozonator Ports and Round Lid

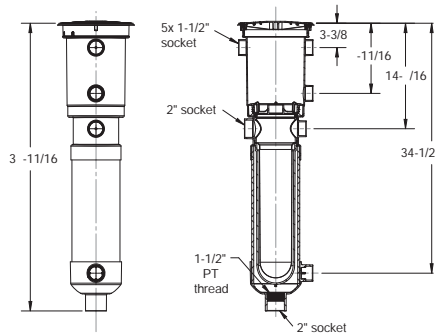


Part # SKZ101xxx

Available without ozonator p/n SKZ102xxx

page 98

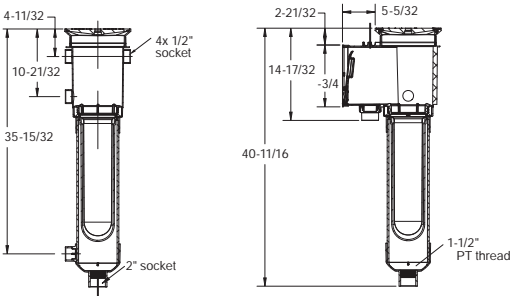
## ZarStar™ Drain/Vacuum Pre-Filter with Round Lid



Part # SKZ111xxx

page 99

## ZarStar™ Skimmer with Ozonator Ports and Square Lid



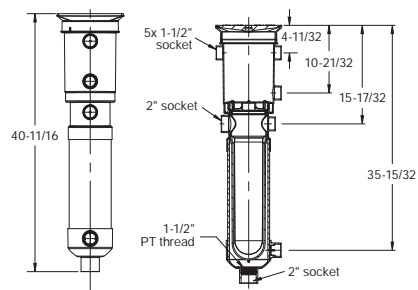
SK64xxx Square Lid and Collar (sold separately)

Part # SKZ101xxx

Available without ozonator p/n SKZ102xxx

page 98

## ZarStar™ Drain/Vacuum Pre-Filter with Square Lid

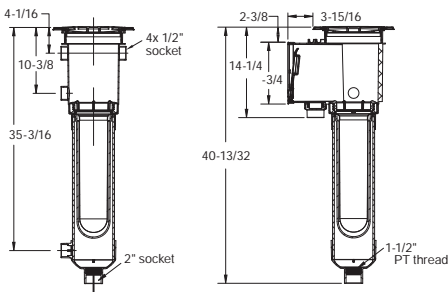


SK64xxx Square Lid and Collar (sold separately)

Part # SKZ111xxx

page 99

## ZarStar™ Skimmer with Ozonator Ports and Snap-In Round/Square Lid



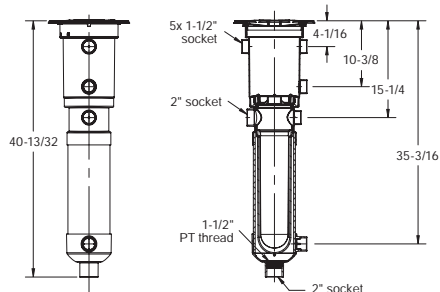
SK65xxx Snap-in Round/Square Lid and Collar (sold separately)

Part # SKZ101xxx

Available without ozonator p/n SKZ102xxx

page 98

## ZarStar™ Drain/Vacuum Pre-Filter with Snap-In Round/Square Lid



SK65xxx Snap-in Round/Square Lid and Collar (sold separately)

Part # SKZ111xxx

page 99

SKIMMERS & LEVELERS

# FILLSTAR™ WATER LEVEL CONTROL SYSTEM FOR POOLS AND SPAS



Durable and reliable



## FEATURES

Can be installed alone or with drain/vacuum pool or spa at all times

Easy to install

Overflow protection and adjustable presets

Uses the same size lid and collar as AquaStar skimmers

Includes a 2" to 1½" PVC adapter

¾" PVC plug included if overflow is not needed

¾" PVC water supply inlet

Valve is made of high-strength engineered resin

Float is injection-molded; thread is pre-molded

No transition glue needed

Float thread is ½" MPT

1 per case

**NEW**



Part # AFBxxx

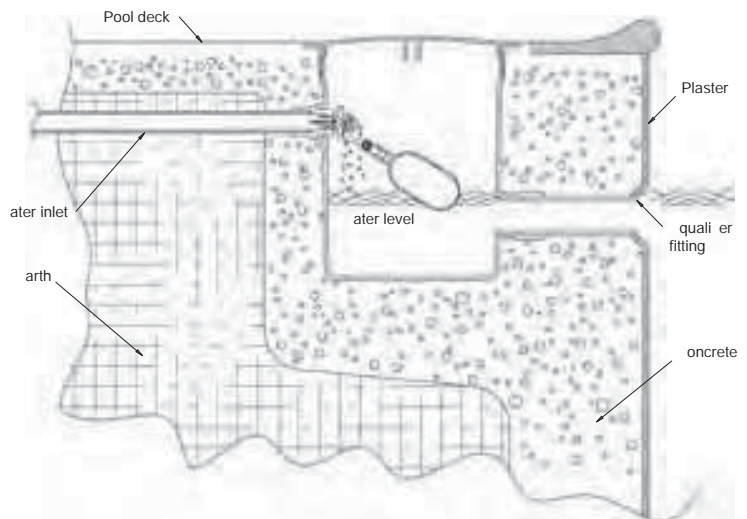
Also available float only part # AFBV

## STANDARD COLORS

- AFB101 – White
- AFB102 – Black
- AFB103 – Light Gray
- AFB104 – Blue
- AFB105 – Dark Gray
- AFB108 – Tan

Also available without lid and collar  
p/n AFBNLxxx

Also available cover only  
p/n RTxxx



SKIMMERS & LEVELERS

A woman with dark hair and red lipstick is lying on her side on a sandy beach. She is wearing a white, textured, strapless top. Her eyes are closed, and she has a peaceful expression. In the foreground, a pair of dark sunglasses and a pink smartphone are resting on the sand. The background shows a clear blue ocean and a white sandy beach. A dark blue diagonal graphic element is present in the upper right corner of the image.

**VINYL/  
FIBERGLASS**

# 6" ROUND HOCKEY PUCK SUMPLESS SUCTION OUTLET COVER, HYDROAIR/ITT REPLACEMENT AND FIBERGLASS BULKHEAD

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use in fiberglass and steel pools and spas when used with 6HA25T20Sxxx (see installation instructions)

Single – sumpless

Floor/wall (2" pipe): 224 GPM at 6.3 fps

Floor (1½" pipe): 177 GPM at 5.9 fps

Wall (1½" pipe): 122 GPM at 3.4 fps

Floor/wall: 53.3 GPM at 1.5 fps

Floor/wall: 35.5 GPM at 1.0 fps

10.4 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Replace every five years from the date of installation

Drain cover and bulkhead sold separately  
25 per case

## No sump required!



Part # 6HPHAxxx



Part #6HA25T20Sxxx

### STANDARD COLORS

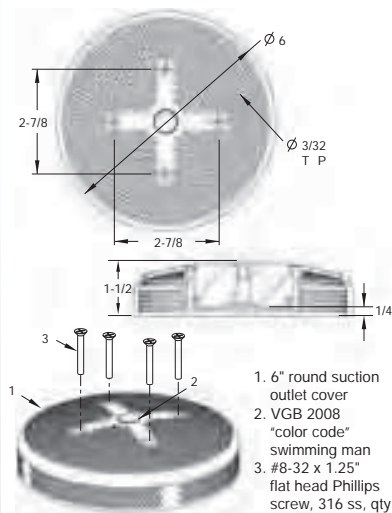
Drain cover

- 6HPHA101 – White
- 6HPHA102 – Black
- 6HPHA103 – Light Gray
- 6HPHA104 – Blue
- 6HPHA105 – Dark Gray
- 6HPHA108 – Tan

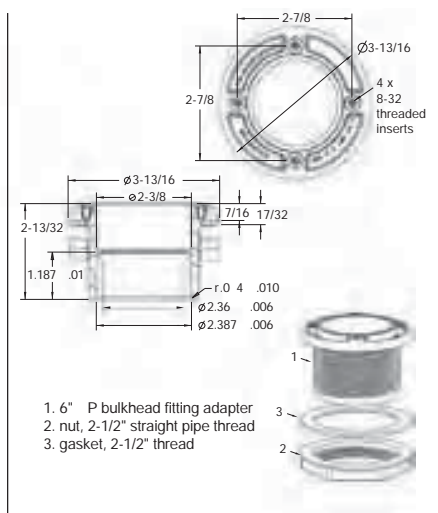
Bulkhead

- 6HA25T20S101 – White
- 6HA25T20102 – Black
- 6HA25T20103 – Light Gray
- 6HA25T20104 – Blue
- 6HA25T20105 – Dark Gray
- 6HA25T20108 – Tan

VGB 2008 Compliant



1. 6" round suction outlet cover
2. VGB 2008 "color code" swimming man
3. #8-32 x 1.25" flat head Phillips screw, 316 ss, qty 4



1. 6" P bulkhead fitting adapter
2. nut, 2-1/2" straight pipe thread
3. gasket, 2-1/2" thread

# STANDARD SUMP WITH 1½" NPT AND 2" SOCKET FOR VINYL/FIBERGLASS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
3" sump depth  
(see installation instructions)

Single –

Floor: 166 GPM at 3.2 fps  
Wall: 113 GPM at 2.2 fps

Floor/wall: 77.8 GPM at 1.5 fps  
Floor/wall: 51.9 GPM at 1.0 fps

16.6 square inch opening

#316 stainless steel screws

Manufactured from superior  
UV-resistant engineered polymers

Meets or exceeds ANSI/APSP 16-2011  
and NSF/ANSI 50-2009a national  
standards and ASTM G154 UV testing

Replace every five years from the date  
of installation

36 per case



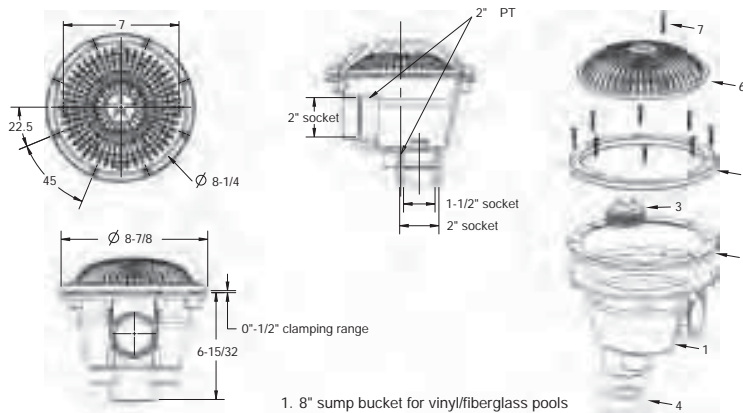
Part # 8MFSBVxxx

### STANDARD COLORS

- 8MFSBV101 – White
- 8MFSBV102 – Black
- 8MFSBV103 – Light Gray
- 8MFSBV104 – Blue
- 8MFSBV105 – Dark Gray
- 8MFSBV108 – Tan

8" Vinyl Clamping Ring and Gasket  
Replacement Kit p/n 8VKxxx

VGB 2008 Compliant



1. 8" sump bucket for vinyl/fiberglass pools
2. Gasket for 8" vinyl sump bucket
3. 2" PT plug
4. 2" socket x 1-1/2" socket pipe reducer
5. clamping ring with overmolded gasket
6. 8" round Mo low suction outlet cover
7. #10 x 1-1/4" flat head Phillips screw, 316 ss, qty 10

# 10" ROUND STAR SUMPLESS SUCTION OUTLET COVER WITH UNIVERSAL ADAPTER KIT FOR VINYL

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use  
(see installation instructions)

Single – sumpless:  
Floor/wall: 170 GPM at 1.7 fps

Floor/wall: 147.3 GPM at 1.5 fps  
Floor/wall: 98.2 GPM at 1.0 fps

31.5 square inch opening

For retrofit or new construction!

Available with universal adapter frame  
to retrofit all existing frames/sumps  
up to 8" round

Trademarked VGB compliance button easily  
identifies VGB 2008 compliance from pool/  
spa deck

Manufactured from superior UV-resistant  
engineered polymer

All components (cover, adapter plate, screws)  
meet or exceed ANSI/APSP 16-2011 and  
NSF/ANSI 50-2009a national standards and  
ASTM G154 UV testing exposure

#316 stainless steel screws

Replace every five years from the date  
of installation

6 per case

### NEW No sump required!

Retrofits over all sumps/frames up to 8"  
using included plastic concrete anchors

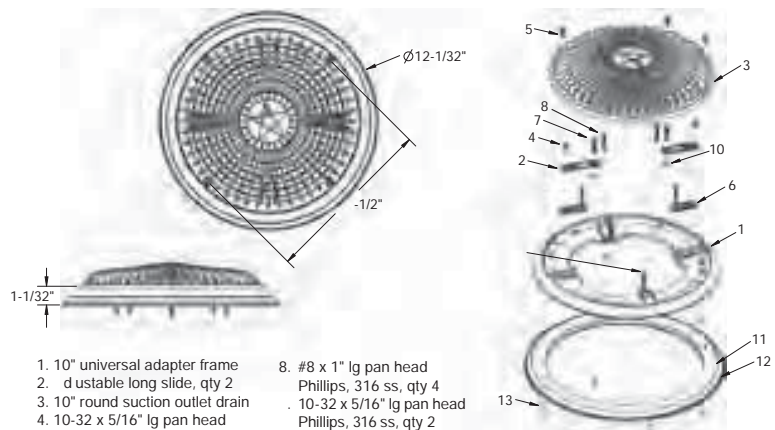


Part # A10RCFRxxx-V

### STANDARD COLORS

- A10RCFR101-V – White
- A10RCFR102-V – Black
- A10RCFR103-V – Light Gray
- A10RCFR104-V – Blue
- A10RCFR105-V – Dark Gray
- A10RCFR108-V – Tan

VGB 2008 Compliant



1. 10" universal adapter frame
2. Adjustable long slide, qty 2
3. 10" round suction outlet drain
4. 10-32 x 5/16" lg pan head Phillips, 316 ss, qty 2
5. 10-32 x 5/8" lg flat head Phillips, 316 ss, qty 4
6. Adjustable short slide, qty 2
7. 10-24 x 7/8" lg pan head Phillips, 316 ss, qty 2
8. #8 x 1" lg pan head Phillips, 316 ss, qty 4
9. 10-32 x 5/16" lg pan head Phillips, 316 ss, qty 2
10. Bushing
11. Ring
12. Gasket
13. 10-24 x 7/8" lg pan head Phillips, 316 ss, qty 4

Use all screws and hardware  
used for all installations.  
See installation instructions.



# 32" CHANNEL DRAIN FLAT GRATE SUCTION OUTLET COVER AND ABS THREE-PORT MANUFACTURED SUMP FOR VINYL

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 316 GPM at 3.9 fps

Wall: 208 GPM at 2.6 fps

Floor/wall: 122 GPM at 1.5 fps

Floor/wall: 80.7 GPM at 1.0 fps

25.9 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

Permanently attached gasket reduces gasket alignment problems

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable!



Part # 32CDFLVxxx

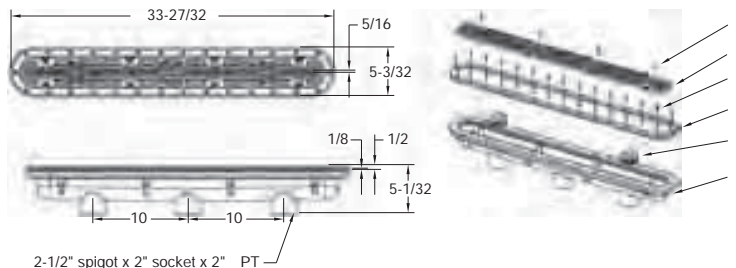
## Two drains in one!

### STANDARD COLORS

- 32CDFLV101 – White
- 32CDFLV102 – Black
- 32CDFLV103 – Light Gray
- 32CDFLV104 – Blue
- 32CDFLV105 – Dark Gray
- 32CDFLV108 – Tan

Also available as sump only  
p/n 32CDSBV101  
4 per case

VGB 2008 Compliant



1. 32" three-port manufactured vinyl sump bucket with gasket
2. 32" channel drain vinyl clamping ring with gasket
3. 32" channel drain, cover, flat
4. 2" PT plug, qty 2
5. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8

# 32" CHANNEL DRAIN FLAT GRATE SUCTION OUTLET COVER AND ABS THREE-PORT MANUFACTURED SUMP FOR FIBERGLASS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

Single

Floor: 316 GPM at 3.9 fps

Wall: 208 GPM at 2.6 fps

Floor/wall: 122 GPM at 1.5 fps

Floor/wall: 80.7 GPM at 1.0 fps

25.9 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2 1/2" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable!



Part # 32CDFLFGxxx

## Two drains in one!

### STANDARD COLORS

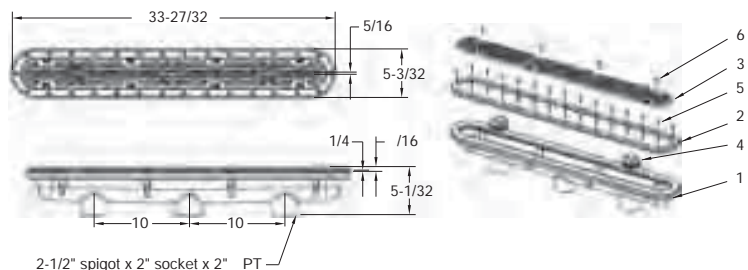
- 32CDFLFG101 – White
- 32CDFLFG102 – Black
- 32CDFLFG103 – Light Gray
- 32CDFLFG104 – Blue
- 32CDFLFG105 – Dark Gray
- 32CDFLFG108 – Tan

Also available:

Sump only p/n 32CDSBV101  
4 per case

Clamping Ring for fiberglass  
p/n 32CRTSxxx

### VGB 2008 Compliant



1. 32" three-port manufactured fiberglass sump bucket
2. 32" channel drain fiberglass clamping ring
3. 32" channel drain, cover, flat
4. 2" PT plug, qty 2
5. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8

# 32" CHANNEL DRAIN PINHOLE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND ABS THREE-PORT MANUFACTURED SUMP FOR VINYL

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 268 GPM at 3.1 fps

Wall: 172 GPM at 2.0 fps

Floor/wall: 131 at 1.5 fps

Floor/wall: 87 GPM at 1.0 fps

27.9 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

Permanently attached gasket reduces gasket alignment problems

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

### Unblockable!



Part # 32CDPHVxxx

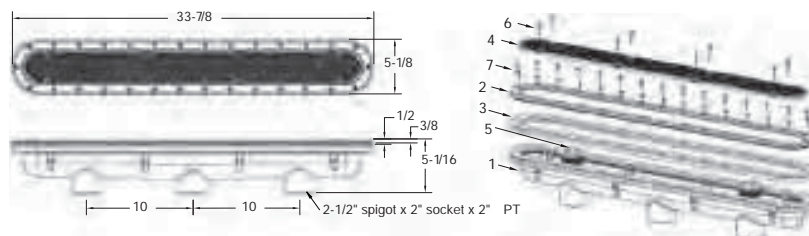
### Two drains in one!

#### STANDARD COLORS

- 32CDPHV101 – White
- 32CDPHV102 – Black
- 32CDPH1V03 – Light Gray
- 32CDPHV104 – Blue
- 32CDPHV105 – Dark Gray
- 32CDPHV108 – Tan

Also available as sump only  
p/n 32CDSBV101  
4 per case

VGB 2008 Compliant



1. 32" three-port manufactured vinyl sump bucket
2. 32" channel drain vinyl clamping ring with gasket
3. 32" channel drain vinyl clamping gasket
4. 32" channel drain anti-entrapment suction outlet "pinhole" cover
5. 2" PT plug, qty 2
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8
7. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30

# 32" CHANNEL DRAIN PINHOLE ANTI-ENTRAPMENT SUCTION OUTLET COVER, ABS THREE-PORT MANUFACTURED SUMP FOR FIBERGLASS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 268 GPM at 3.1 fps

Wall: 172 GPM at 2.0 fps

Floor/wall: 131 at 1.5 fps

Floor/wall: 87 GPM at 1.0 fps

27.9 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

### Unblockable!



Part # 32CDPHFGxxx

### Two drains in one!

#### STANDARD COLORS

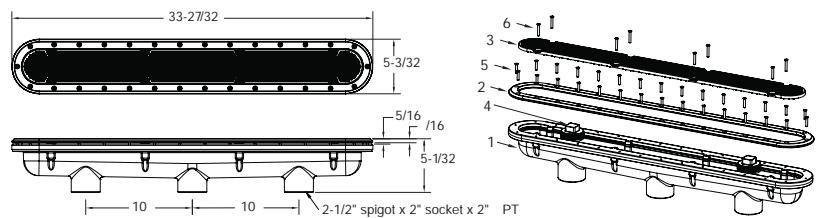
- 32CDPHFG101 – White
- 32CDPHFG102 – Black
- 32CDPHFG103 – Light Gray
- 32CDPHFG104 – Blue
- 32CDPHFG105 – Dark Gray
- 32CDPHFG108 – Tan

Also available:

Sump only p/n 32CDSBV101  
4 per case

Clamping Ring for fiberglass  
p/n 32CRTSxxx

VGB 2008 Compliant



1. 32" three-port manufactured fiberglass sump bucket
2. 32" channel drain fiberglass clamping ring
3. 32" channel drain anti-entrapment suction outlet "pinhole" cover
4. 2" PT plug, qty 2
5. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8

# 32" CHANNEL DRAIN ANTI-ENTRAPMENT SUCTION OUTLET COVER AND ABS THREE-PORT MANUFACTURED SUMP FOR VINYL

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 236 GPM at 3.4 fps  
Wall: 136 GPM at 1.9 fps

Floor/wall: 106 GPM at 1.5 fps  
Floor/wall: 70.4 GPM at 1.0 fps

22.6 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

Permanently attached gasket reduces gasket alignment problems

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable!



Part # 32CDAVVxxx

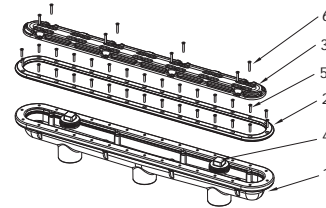
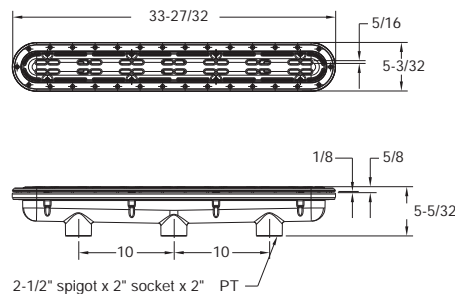
## Two drains in one!

### STANDARD COLORS

- 32CDAVV101 – White
- 32CDAVV102 – Black
- 32CDAVV103 – Light Gray
- 32CDAVV104 – Blue
- 32CDAVV105 – Dark Gray
- 32CDAVV108 – Tan

Also available as sump only  
p/n 32CDSBV101  
4 per case

VGB 2008 Compliant



1. 32" three-port manufactured vinyl sump bucket with gasket
2. 32" channel drain vinyl clamping ring with gasket
3. 32" anti-entrapment suction outlet cover
4. 2" PT plug, qty 2
5. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8

# 32" CHANNEL DRAIN ANTI-ENTRAPMENT SUCTION OUTLET COVER AND ABS THREE-PORT MANUFACTURED SUMP FOR FIBERGLASS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 236 GPM at 3.4 fps

Wall: 136 GPM at 1.9 fps

Floor/wall: 106 GPM at 1.5 fps

Floor/wall: 70.4 GPM at 1.0 fps

22.6 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable!



Part # 32CDAVFGxxx

## Two drains in one!

### STANDARD COLORS

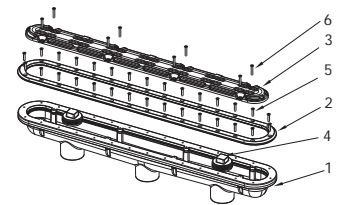
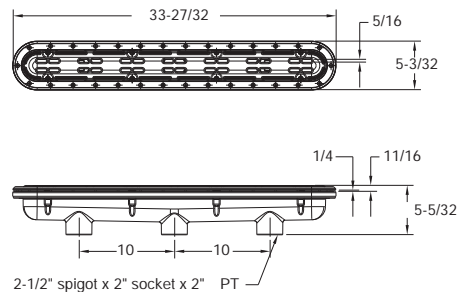
- 32CDAVFG101 – White
- 32CDAVFG102 – Black
- 32CDAVFG103 – Light Gray
- 32CDAVFG104 – Blue
- 32CDAVFG105 – Dark Gray
- 32CDAVFG108 – Tan

Also available:

Sump only p/n 32CDSBV101  
4 per case

Clamping Ring for fiberglass  
p/n 32CRTSxxx

VGB 2008 Compliant



1. 32" three-port manufactured fiberglass sump bucket
2. 32" channel drain fiberglass clamping ring
3. 32" anti-entrapment suction outlet cover
4. 2" PT plug, qty 2
5. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
6. #10 x 1-1/4" flat head Phillips Type screw, 316 ss, qty 8

# 32" CHANNEL DRAIN DEBRIS CATCHER SUCTION OUTLET WITH ABS THREE-PORT MANUFACTURED SUMP FOR VINYL

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Uniquely engineered concave/convex design allows for superior debris catching while exceeding UL articulate probe finger and knuckle ASME A112 2008 tests

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 196 GPM at 1.3 fps  
Wall: 192 GPM at 1.2 fps

Floor/wall: 236 GPM at 1.5 fps  
Floor/wall: 156.2 GPM at 1.0 fps

50.1 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

Permanently attached gasket reduces gasket alignment problems

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable! Debris catcher



Part # 32CDLTVxxx

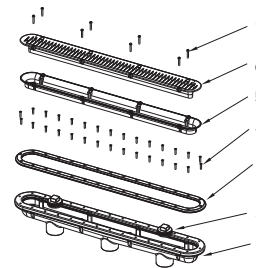
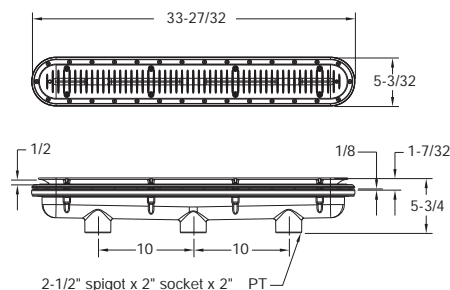
## Two drains in one!

### STANDARD COLORS

- 32CDLTV101 – White
- 32CDLTV102 – Black
- 32CDLTV103 – Light Gray
- 32CDLTV104 – Blue
- 32CDLTV105 – Dark Gray
- 32CDLTV108 – Tan

Also available as sump only  
p/n 32CDSBV101  
4 per case

VGB 2008 Compliant



1. 32" three-port manufactured vinyl sump bucket with gasket
2. 32" channel drain vinyl clamping ring with gasket
3. 2" PT plug, qty 2
4. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
5. 32" leaf trap insert
6. 32" leaf trap cover
7. #10 x 3/4" pan head Phillips hi-lo screw, 316 ss, qty 8

# 32" CHANNEL DRAIN DEBRIS CATCHER SUCTION OUTLET WITH ABS THREE-PORT MANUFACTURED SUMP FOR FIBERGLASS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

Uniquely engineered concave/convex design allows for superior debris catching while exceeding UL articulate probe finger and knuckle ASME A112 2008 tests

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi-pump connections)

#### Single

Floor: 196 GPM at 1.3 fps  
Wall: 192 GPM at 1.2 fps

Floor/wall: 236 GPM at 1.5 fps  
Floor/wall: 156.2 GPM at 1.0 fps

50.1 square inch opening

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Three ports: bottom 2½" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Must use transitional glue when attaching to PVC pipe

Replace every five years from the date of installation

4 per case

## Unblockable! Debris catcher



Part # 32CDLTFGxxx

Two drains in one!

### STANDARD COLORS

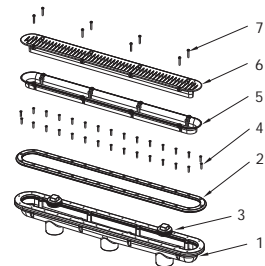
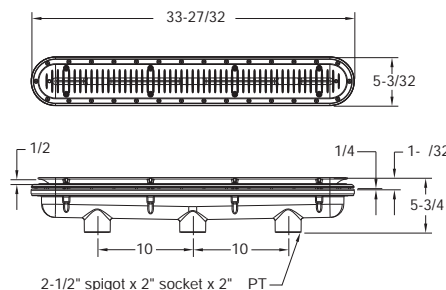
- 32CDLTFG101 – White
- 32CDLTFG102 – Black
- 32CDLTFG103 – Light Gray
- 32CDLTFG104 – Blue
- 32CDLTFG105 – Dark Gray
- 32CDLTFG108 – Tan

Also available:

Sump only p/n 32CDSBV101  
4 per case

Clamping Ring for fiberglass  
p/n 32CRTSxxx

VGB 2008 Compliant



1. 32" three-port manufactured fiberglass sump bucket
2. 32" channel drain fiberglass clamping ring
3. 2" PT plug, qty 2
4. #10 x 1" flat head Phillips Type screw, 316 ss, qty 30
5. 32" leaf trap insert
6. 32" leaf trap cover
7. #10 x 3/4" pan head Phillips hi-lo screw, 316 ss, qty 8



# 32" CHANNEL DRAIN THREE-PORT MANUFACTURED ABS SUMP FOR VINYL/FIBERGLASS POOLS

## VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

### FEATURES

All AquaStar 32" channel drains are available with ABS three-port manufactured sump for vinyl/fiberglass pools

Requires transition glue

White only

Vinyl applications:  
for use with 32VCRxxx  
32" Vinyl Clamping Ring and Gasket  
and 32VCG101  
32" Vinyl Clamping Gasket

Fiberglass applications:  
for use with 32CRTSxxx  
32" Clamping Ring

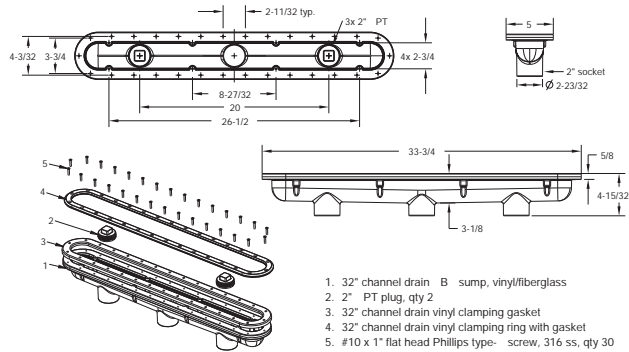
1 per case

### STANDARD COLORS

WHITE



Part # 32CDSBV101



VGB 2008 Compliant

## ADDITIONAL PRODUCTS FOR 32CDSBV101

### 32" Vinyl Clamping Ring and Gasket (sold separately)

#### STANDARD COLORS

- 32VCR101 – White
- 32VCR102 – Black
- 32VCR103 – Light Gray
- 32VCR104 – Blue
- 32VCR105 – Dark Gray
- 32VCR108 – Tan

Part #  
32VCRxxx



### 32" Vinyl Clamping Gasket (sold separately)

Part #  
32VCG101



# FLOW STAR® SKIMMER WITH NARROW 9" DEEP THROAT, FLOAT ASSEMBLY, BASKET, LID, ADJUSTABLE COLLAR FOR VINYL/FIBERGLASS



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Weir plate with easy snap in and out locks
- Large self-contained basket with lock-in feature (will not float)
- Pre-installed O-ring for float assembly
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (does not require transitional glue)
- 2½" outside slip; 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock-out
- Upper housing has pre-cut rebar cut outs with pre drilled holes for tie wire
- Additional box inside skimmer box for basket, float assembly and weir plate (so assembly does not get lost on job site)
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 100 piece lid order)
- Designed to work with all existing vinyl liner steel, polymer or fiberglass pool walls
- 1 per case

Now available with three lid options:  
round, square or snap-in round/square



Part # SKRVFL3Nxxx (vinyl)  
Part # SKRFFL3Nxxx (fiberglass)

Optional vacuum plate with snap-in lug can be glued in under lid for easy storage p/n SK43101

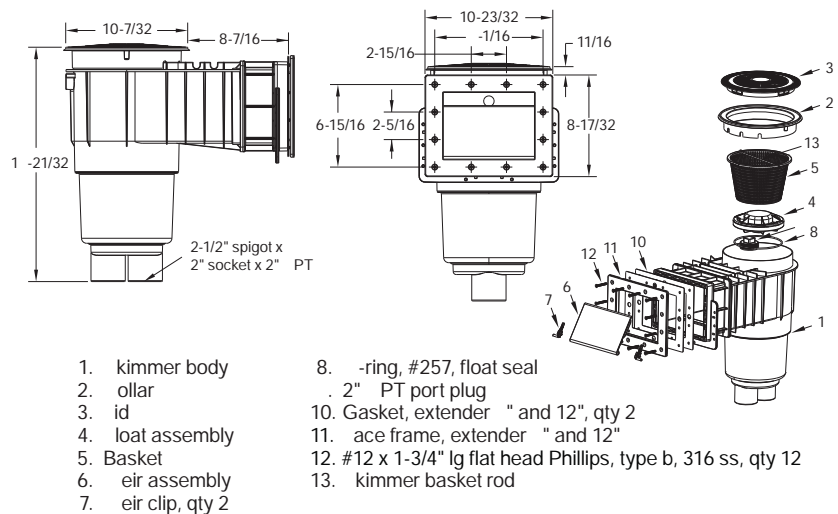
## STANDARD COLORS

- Vinyl
- SKRVFL3N101 – White
  - SKRVFL3N102 – Black
  - SKRVFL3N103 – Light Gray
  - SKRVFL3N104 – Blue
  - SKRVFL3N105 – Dark Gray
  - SKRVFL3N108 – Tan

- Fiberglass
- SKRFFL3N101 – White
  - SKRFFL3N102 – Black
  - SKRFFL3N103 – Light Gray
  - SKRFFL3N104 – Blue
  - SKRFFL3N105 – Dark Gray
  - SKRFFL3N108 – Tan

Without lid/collar – white only  
SKRFFL3N101 (fiberglass with float assembly)  
SKRVFL3N101 (vinyl with float assembly)

**SPS 3 & NSF 50 Compliant**



# FLOWSTAR® SKIMMER WITH 5" DEEP THROAT, FLOAT ASSEMBLY, BASKET, LID, ADJUSTABLE COLLAR FOR FIBERGLASS



Built in conformance with NSF 50 and SPS 3 standards



## FEATURES

- Adjustable collar
- New weir clip lock secures the clips in the weir door
- Weir plate with easy snap in and out locks
- Large self-contained basket with lock-in feature (will not float)
- Pre-installed O-ring for float assembly
- Underwater dampers on face plate for noise reduction on weir plate – especially on windy days
- Super strong engineered polymer upper housing
- Extra heavy duty PVC lower unit (does not require transitional glue)
- 2½" outside slip; 2" inside slip (outside skimmer)
- 2" threads for pressure testing (inside skimmer)
- Built-in overflow or fill line knock-out
- Upper housing has pre-cut rebar cut outs with pre drilled holes for tie wire
- Additional box inside skimmer box for basket, float assembly and weir plate (so assembly does not get lost on job site)
- Skimmer Lid and Collar G154 UV tested
- NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM
- Optional custom name/logo engraved on lid (requires minimum 100 piece lid order)
- Designed to work with all existing fiberglass pool walls
- 1 per case

Now available with three lid options:  
round, square or snap-in round/square



Optional vacuum plate with snap-in lug can be glued in under lid for easy storage p/n SK43101

Part # SKRFL12xxx

## STANDARD COLORS

- SKRFL12101 – White
- SKRFL12102 – Black
- SKRFL12103 – Light Gray
- SKRFL12104 – Blue
- SKRFL12105 – Dark Gray
- SKRFL12108 – Tan

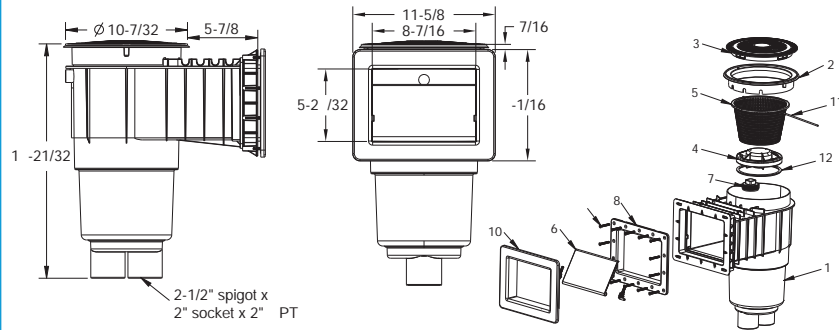
Also available without float assembly  
remove "FL" from part numbers

Snap-in Round/Square Lid and Collar  
(sold separately) p/n SK65xxx

Square Lid and Collar (sold separately)  
p/n SK64xxx

Also available without lid/collar  
(white only) p/n SKRFL12NL101

**SPS 3 & NSF 50 Compliant**

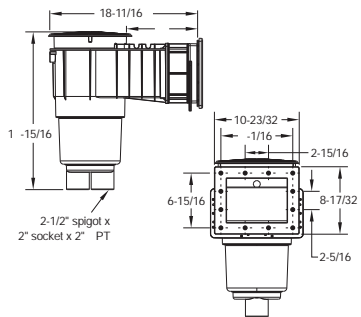


1. skimmer body
2. collar
3. lid
4. float assembly
5. Basket
6. weir assembly
7. O-ring
8. 2" PT port plug
9. #12 x 1-3/4" lg flat head Phillips, Type B, 316 ss, qty 14
10. cover
11. skimmer basket rod
12. Gasket

## SKIMMER OPTIONS

STANDARD COLORS  101  102  103  104  105  108

## Narrow 9" Deep Round Lid



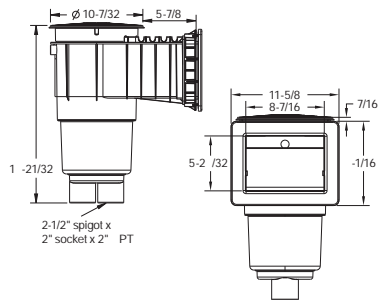
**SKRVFL3Nxxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRVFL3NxxxD**  
Single Bottom Port  
4" Socket

**SKRVFL3NxxxF**  
Single Bottom Port  
6" Socket

page 116

## 5" Deep Round Lid



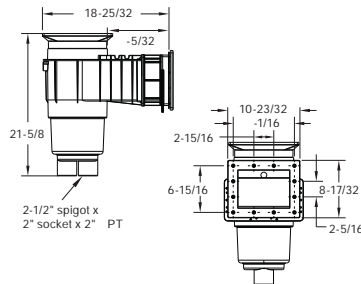
**SKRFL12xxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRFL12xxxD**  
Single Bottom Port  
4" Socket

**SKRFL12xxxF**  
Single Bottom Port  
6" Socket

page 117

## Narrow 9" Deep Square Lid



**SK64xxx** Square Lid and  
Collar (sold separately)

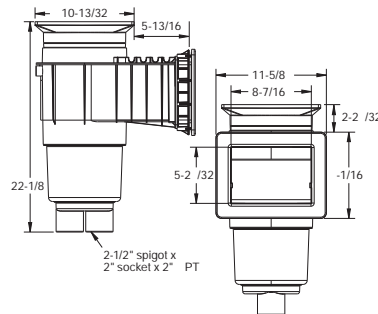
**SKRVFL3Nxxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRVFL3NxxxD**  
Single Bottom Port  
4" Socket

**SKRVFL3NxxxF**  
Single Bottom Port  
6" Socket

page 116

## 5" Deep Square Lid



**SK64xxx** Square Lid and  
Collar (sold separately)

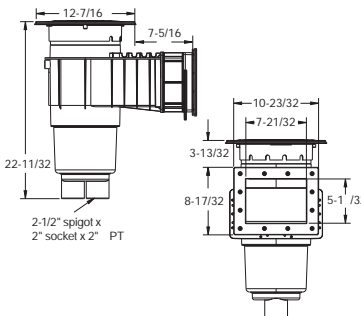
**SKRFL12xxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRFL12xxxD**  
Single Bottom Port  
4" Socket

**SKRFL12xxxF**  
Single Bottom Port  
6" Socket

page 117

## Narrow 9" Deep Round/Square Snap-in Lid



**SK65xxx** Snap-in  
Round/Square Lid and  
Collar (sold separately)

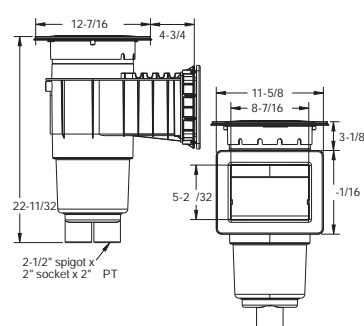
**SKRVFL3Nxxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRVFL3NxxxD** Single  
Bottom Port 4" Socket

**SKRVFL3NxxxF**  
Single Bottom Port  
6" Socket

page 116

## 5" Deep Round/Square Snap-in Lid



**SK65xxx** Snap-in  
Round/Square Lid and  
Collar (sold separately)

**SKRFL12xxx**  
with Float Assembly  
Dual Bottom Port  
2½" Spigot x 2" Socket

**SKRFL12xxxD** Single  
Bottom Port 4" Socket

**SKRFL12xxxF**  
Single Bottom Port  
6" Socket

page 117

# VINYL BUILDER'S KIT

## FEATURES

Includes:

8MFSBVxxx – qty 2  
8" MoFlow cover with vinyl ABS  
sump bucket  
see page 18 for more information

SKRVFL3Nxxx – qty 1  
Flow Star skimmer with narrow  
9" deep throat, flow assembly,  
basket, lid and adjustable collar  
see page 116 for more information

SECxxx – qty 1  
3" skimmer extension collar  
see page 95 for more information

ES1408xx – qty 3  
Four-screw vinyl fitting  
see page 121 for more information

JOxxx – qty 3  
Flush retrofit eyeball  
see page 76 for more information

1 per case

### STANDARD COLORS

- VBK101 – White
- VBK102 – Black
- VBK103 – Light Gray
- VBK104 – Blue
- VBK105 – Dark Gray
- VBK108 – Tan

NEW



Part # VBKxxx

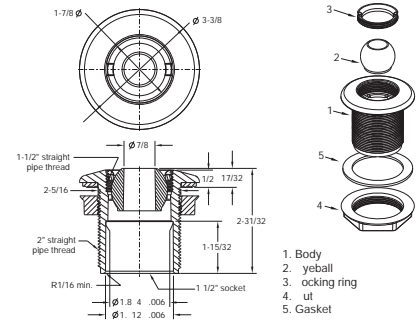
Large Extended 2" Return Fitting with Gasket/Nut for Vinyl or Steel

**FEATURES**

Fits 2" thread or 1½" slip  
 1½" thread in front face  
 Includes gasket and locking nut for vinyl or steel installations  
 Includes removable eyeball and nut  
 Manufactured from UV-resistant ABS material  
 25 per case



Part # 1020Fxxx



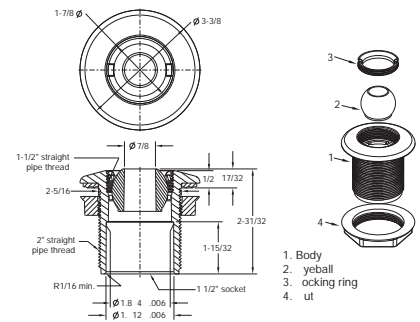
Large Extended 2" Return Fitting with Locking Nut Fiberglass

**FEATURES**

Fits 2" thread or 1½" slip  
 1½" thread in front face  
 Extended wall fitting allows for variations in fiberglass depth  
 Includes locking nut for fiberglass installations  
 Includes removable eyeball and nut  
 Manufactured from UV-resistant ABS material  
 25 per case  
 Optional Wall Angle Adapter p/n AWAXxx shown below



Part # 1020TSxxx



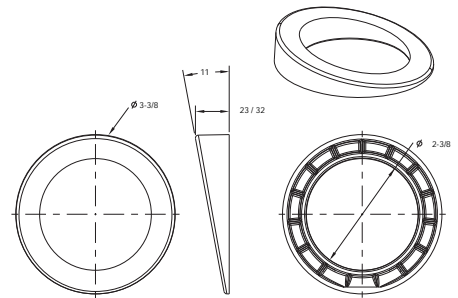
Angle Wall Adapter for Fiberglass (Set of Two)

**FEATURES**

Installs between a fiberglass pool's sidewall and return fitting to change the water direction angle  
 For use with 1020TSxxx 2" return fitting shown above  
 200 per case



Part # AWAXxx



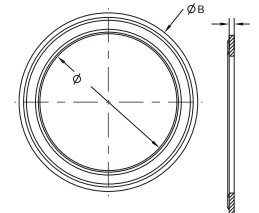
Gasket for Vinyl, Fiberglass or Steel

**FEATURES**

Fits 2" or 2½" threaded fittings  
 Ideal for vinyl, fiberglass and steel installations  
 Manufactured from superior engineered UV-resistant engineered polymers  
 Size p/n:  
 20GASKET – 2" GASKET  
 25GASKET – 2½" GASKET  
 25 per case



Part # xxGASKET



	dimension	dimension B	dimension
20gasket	2-3/8"	3-7/16"	1/8"
25gasket	2-7/8"	3-3/4"	1/8"

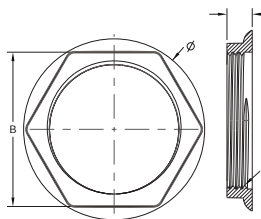
### Locking Nut for Vinyl, Fiberglass or Steel

#### FEATURES

Fits 2" or 2½" threaded fittings  
 Ideal for vinyl, fiberglass and steel installations  
 Manufactured from superior engineered UV-resistant engineered polymers  
 Size p/n:  
 20NUT 101 – 2" NUT  
 25NUT 101 – 2½" NUT  
 25 per case



Part # xxNUT101



	dimension	dimension B	dimension T
20nut	3-15/32"	2-5/8"	5/8"
25nut	3-25/32"	3-1/4"	17/32"

### Large Wall Fitting with Threaded OD (Fits 1½" Pipe) with Lock Nut and Gasket for Fiberglass/Vinyl

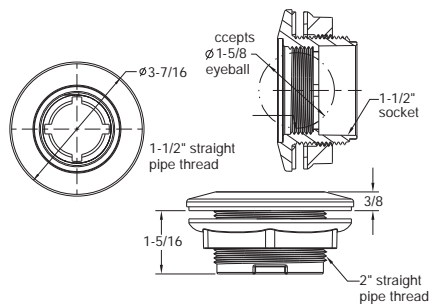
#### FEATURES

Standard 1022 fits outside 1½" pipe, threads inside 2" pipe  
 1½" FPT in front face  
 Large flange camouflages pipe and surface construction variations  
 See also decorative cover p/n DCxxx to make existing 1022s like new with different colors  
 Manufactured from engineered polymer UV-resistant ABS material  
 250 per case  
 Also available in Clear (p/n ES1022V00)

100



Part # ES1022Vxx



### 4-Screw Vinyl Fitting

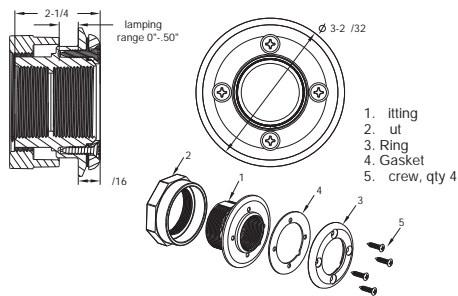
#### FEATURES

Allows for liner replacement by removing faceplate during installation  
 For fittings – see pages 66-80  
 Can be used for return or suction with the appropriate eyeball or grate fitting  
 1½" FIP  
 Includes gasket, nut and stainless steel screws  
 For vinyl installations  
 Eyeball not included

**NEW**



Part # ES1408xx



### 4-Screw Vinyl Fitting with 1½" Socket

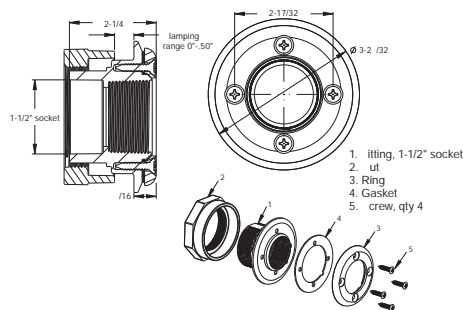
#### FEATURES

Allows for liner replacement by removing faceplate during installation  
 For fittings – see pages 66-80  
 Can be used for return or suction with the appropriate eyeball or grate fitting  
 1½" socket  
 Includes gasket, nut and stainless steel screws  
 For vinyl installations  
 Eyeball not included

**NEW**



Part # ES1408SLxx





**POOL  
CLEANERS  
FOR CONCRETE,  
VINYL &  
FIBERGLASS**



# STARZTRUCK® AUTOMATIC SUCTION POOL CLEANER FOR CONCRETE AND VINYL/FIBERGLASS POOLS



A proven platform



## STARZTRUCK®

driving your pool clean™

POOL CLEANERS

### FEATURES

- Programmed movement for better cleaning
- Efficient, quiet operation
- Highly engineered for durability
- Simple installation, no additional tools required
- Easy grip roll bar handle
- Private label grill insert available
- Patent-pending design
- Kit includes cleaner, nine connector hoses, one leader hose, regulator valve, skimmer cone, safety vacuum lock wall fitting, flow gauge and owner's manual
- Replacement parts and kits available from ProSta® Replacement Parts, see pages 154-163
- 1 per case, 16 per pallet

U.S. patent D654232



Part # SZTxxxx-H (concrete)  
Part # SZTVxxxx-H (vinyl/fiberglass)

Includes flow gauge, hoses, regulator valve, skimmer cone and safety vacuum lock wall fitting

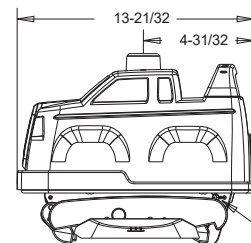
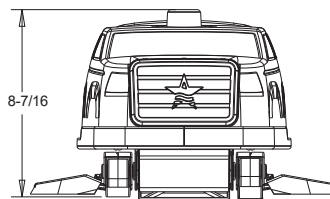
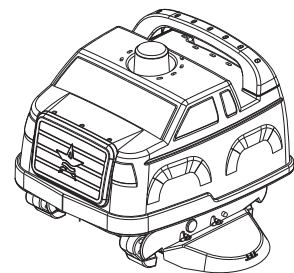
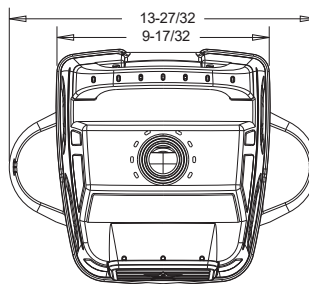
### Part Numbers / Colors

- White/White/White/White\*  
SZT0101-H Concrete  
SZTV0101-H Vinyl/Fiberglass
- Black/Black/Black/Black\*  
SZT0202-H Concrete  
SZTV0202-H Vinyl/Fiberglass
- Grey/Black/Black/Grey\*  
SZT0302-H Concrete  
SZTV0302-H Vinyl/Fiberglass
- Aqua Blue/White/White/White\*  
SZT1601-H Concrete  
SZTV1601-H Vinyl/Fiberglass

\*Top/Bottom/Handle & Grill/Hose

Also available:

- SZTxxxx Cleaner only (no hoses) – concrete  
1 per case, 64 per pallet
- SZTVxxxx Cleaner only (no hoses) – vinyl/fiberglass  
1 per case, 64 per pallet



Rear flap tension adjustment

# 14" AND 22" GYRO VAC® RESIDENTIAL AND COMMERCIAL VACUUM HEADS



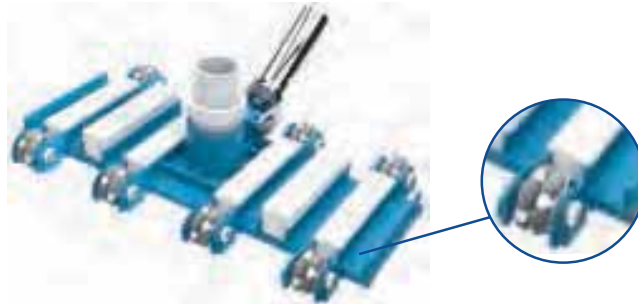
Multi-direction wheel movement with flexible vacuum



## FEATURES

- Multi-directional Vac Eze movement
- 1.5" vacuum port accepts all standard vacuum hoses
- For use with concrete or fiberglass pools
- Body is UV-resistant
- Commercial grade
- 6 per case

**NEW**



Part # GV14

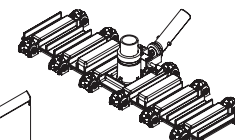
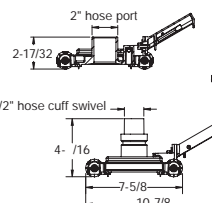
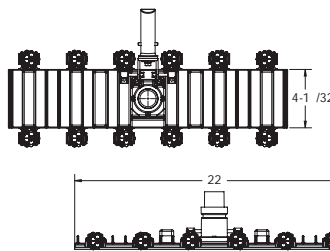
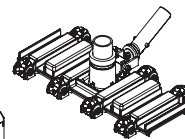
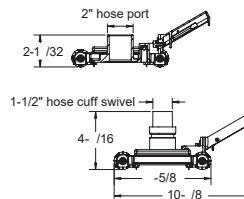
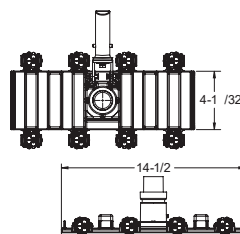


Part # GV22

U.S. patent pending

## Colors

 Aqua Blue/White



POOL CLEANERS



**CHEMICAL  
FEEDERS**

# CHEMSTAR® IN-LINE CHLORINATOR



Sanitation made easy



**ChemStar®**

## FEATURES

For permanent installation in return line on pressure side of pump, downstream of all equipment, in new or existing pools or spas

Standard with 2-inch slip PVC fittings and adapters for 1½ inch

Completely enclosed system – no escaping gases, so no special venting is required

50 PSI maximum operating pressure

External fine control valve adjusts the feed rate to meet specific pool or spa needs

Top-load large or small Trichlor or Bromine slow-dissolving tablets enables an effective, trouble-free way to sanitize pool or spa

Replacement parts and kits available from ProStar® Replacement Parts, see pages 172-176

1 per case

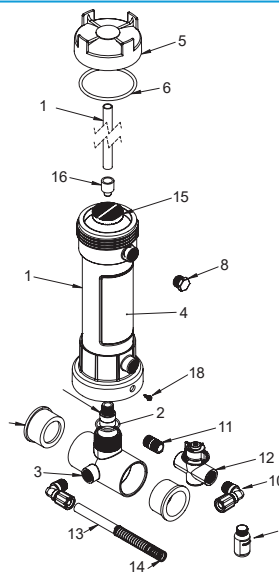


U.S. patents pending

Part # CH100

## STANDARD COLORS

WHITE



1. body
2. -ring, #128, viton
3. inverter tee
4. abel
5. 3" threaded cap
6. -ring, #343, viton
7. check valve
8. 1/2" MPT PV plug
9. 2" x 1-1/2" x bushing, qty 2
10. 1/2" PT x tube fitting with nut, qty 2
11. 1/2" x short MPT nipple
12. 1/2" chlorine control valve
13. 5/8" chlorinator tube
14. Tube support spring
15. screen
16. tandem adapter
17. 5/8" 18" tube optional top feed
18. #8 x 1/2" lg slotted hex head screw
19. -ring silicone lube

CHEMICAL FEEDERS

# CHEMSTAR® OFF-LINE CHLORINATOR



Sanitation made easy



## FEATURES

Freestanding model is ideal for retrofitting existing pools for automatic sanitization

Installs easily on the pressure side of the pump, downstream of the filter and heater

Standard with 2-inch slip PVC fittings and adapters for 1½ inch

Completely enclosed system – no escaping gases, so no special venting is required

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External fine control valve adjusts the feed rate to meet specific pool or spa needs

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Replacement parts and kits available from ProStar® Replacement Parts, see pages 172-176

1 per case

U.S. patents pending

ChemStar®

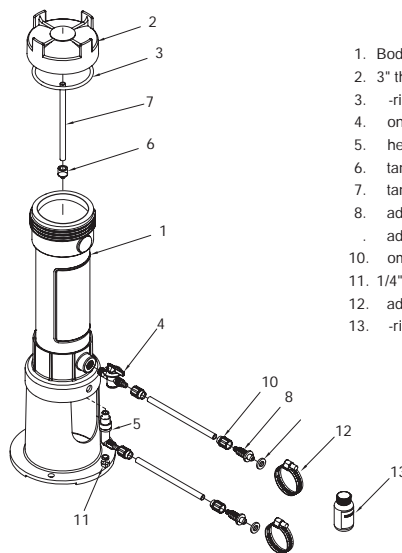


Part # CH200

CHEMICAL FEEDERS

## STANDARD COLORS

WHITE



1. Body assembly, stand, offline feeder
2. 3" threaded cap
3. O-ring, cap, #343, viton
4. Control valve, offline feeder
5. Check valve elbow
6. Standpipe adapter
7. Standpipe, qty 3
8. Addle tube fitting, qty 2
9. Addle gasket, qty 2
10. Compression nut, qty 2
11. 1/4" PT plug, optional
12. Addle clamp, qty 2
13. O-ring silicone tube

# CHEMSTAR® CLEAR IN-LINE CHLORINATOR



Sanitation made easy



## FEATURES

For permanent installation in return line on pressure side of pump, downstream of all equipment, in new or existing pools or spas

Clear pipe shows amount of chlorine/ bromine in the unit without removing the lid

Transparent molded UV- and chemical-resistant body

Standard with 2-inch slip PVC fittings and adapters for 1½ inch

Completely enclosed system – no escaping gases, so no special venting is required

50 PSI maximum operating pressure

External fine control valve adjusts the feed rate to meet specific pool or spa needs

Top-load large or small Trichlor or Bromine slow-dissolving tablets for an effective, trouble-free way to sanitize pool or spa

Replacement parts and kits available from ProStar® Replacement Parts, see pages 172-176

1 per case

U.S. patents pending

NEW

ChemStar®

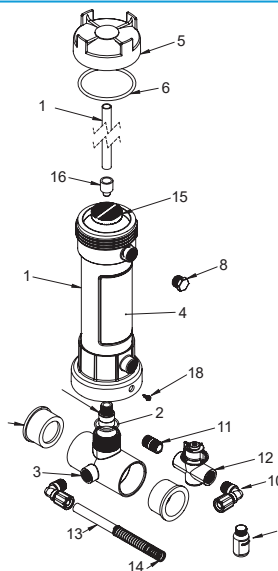


Transparent body for easy visibility of chlorine tablets

Part # CH100CLR

## STANDARD COLORS

CLEAR



1. body
2. O-ring, #128, viton
3. inverter tee
4. abel
5. 3" threaded cap
6. O-ring, #343, viton
7. check valve
8. 1/2" MPT PV plug
9. 2" x 1-1/2" x bushing, qty 2
10. 1/2" PT x tube fitting with nut, qty 2
11. 1/2" x short MPT nipple
12. 1/2" chlorine control valve
13. 5/8" chlorinator tube
14. Tube support spring
15. screen
16. tandem adapter
17. 5/8" 18" tube optional top feed
18. #8 x 1/2" lg slotted hex head screw
19. O-ring silicone lube

CHEMICAL FEEDERS

# CHEMSTAR® CLEAR OFF-LINE CHLORINATOR



Sanitation made easy



## FEATURES

Freestanding model – ideal for retrofitting existing pools for automatic sanitization

Installs easily on the pressure side of the pump, downstream of the filter and heater

Clear pipe shows amount of chlorine/ bromine in the unit without removing the lid

Transparent molded UV- and chemical-resistant body

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1 per case

U.S. patents pending

NEW

ChemStar®

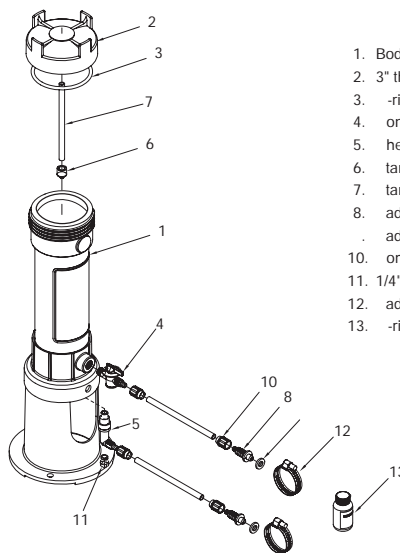


Transparent body for easy visibility of chlorine tablets

Part # CH200CLR

## STANDARD COLORS

CLEAR



1. Body assembly, stand, offline feeder
2. 3" threaded cap
3. O-ring, cap, #343, viton
4. Control valve, offline feeder
5. Check valve elbow
6. Standpipe adapter
7. Standpipe, qty 3
8. Standpipe tube fitting, qty 2
9. Standpipe gasket, qty 2
10. Compression nut, qty 2
11. 1/4" PT plug, optional
12. Standpipe clamp, qty 2
13. O-ring silicone lube

CHEMICAL FEEDERS

# Ultimate Ozone™ Corona Discharge Pump



The most aggressive way to sanitize and improve water quality and clarity



## FEATURES

- Reduces chlorine use
- Low energy cost
- Clearer, cleaner water
- Kills harmful microorganisms
- Eradicates oils and other impurities
- Will not dry out skin or irritate eyes
- CE approved components

### U1000

- Power requirements:  
110/120 volts  
.28 amps
- Ozone output: 1 gram per hour /  
24 grams a day

### U2000

- Power Requirements:  
110/120 volts  
.56 amps
- Double the output of the U1000
- Ozone output: 2 grams per hour /  
48 grams a day

U.S. patents pending

NEW



Part #  
OZG2008



Part #  
OZG4017



Part #  
OZG4016

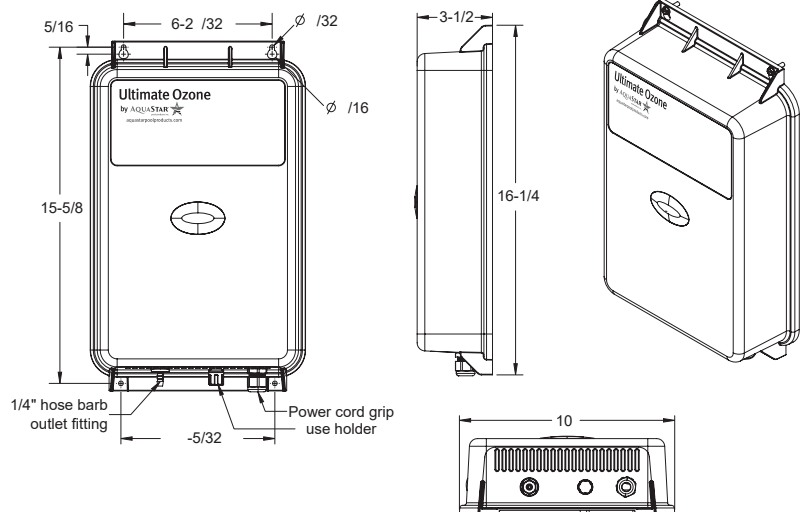
Part # U1000 / U2000

## Also available as U3000 Kit

- Includes:  
U1000  
OZG4017 – 1 pc  
OZG4016 – 100 ft

## Optional Accessories

- 1/4" Barbed Tee  
OZG2008
- Ozone Compatible 1/4" Tubing  
OZG4016
- Ozone Diffuser Stone  
OZG4017



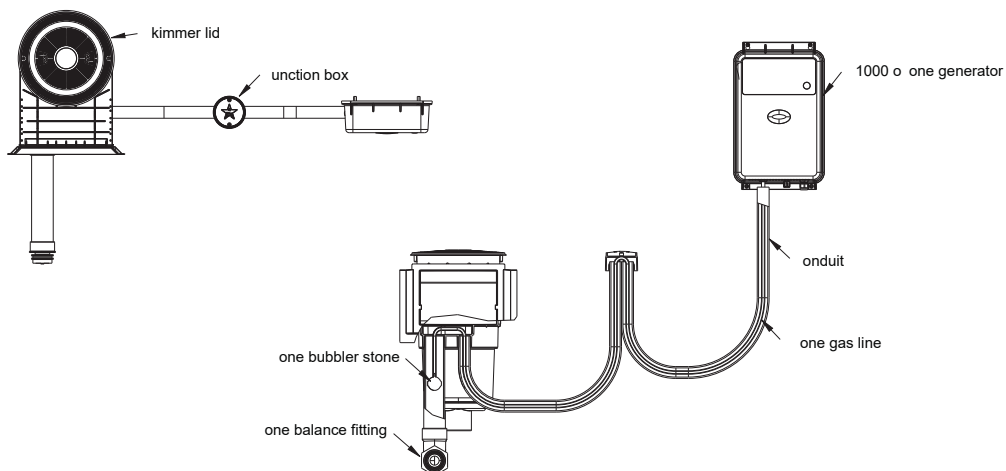
CHEMICAL FEEDERS

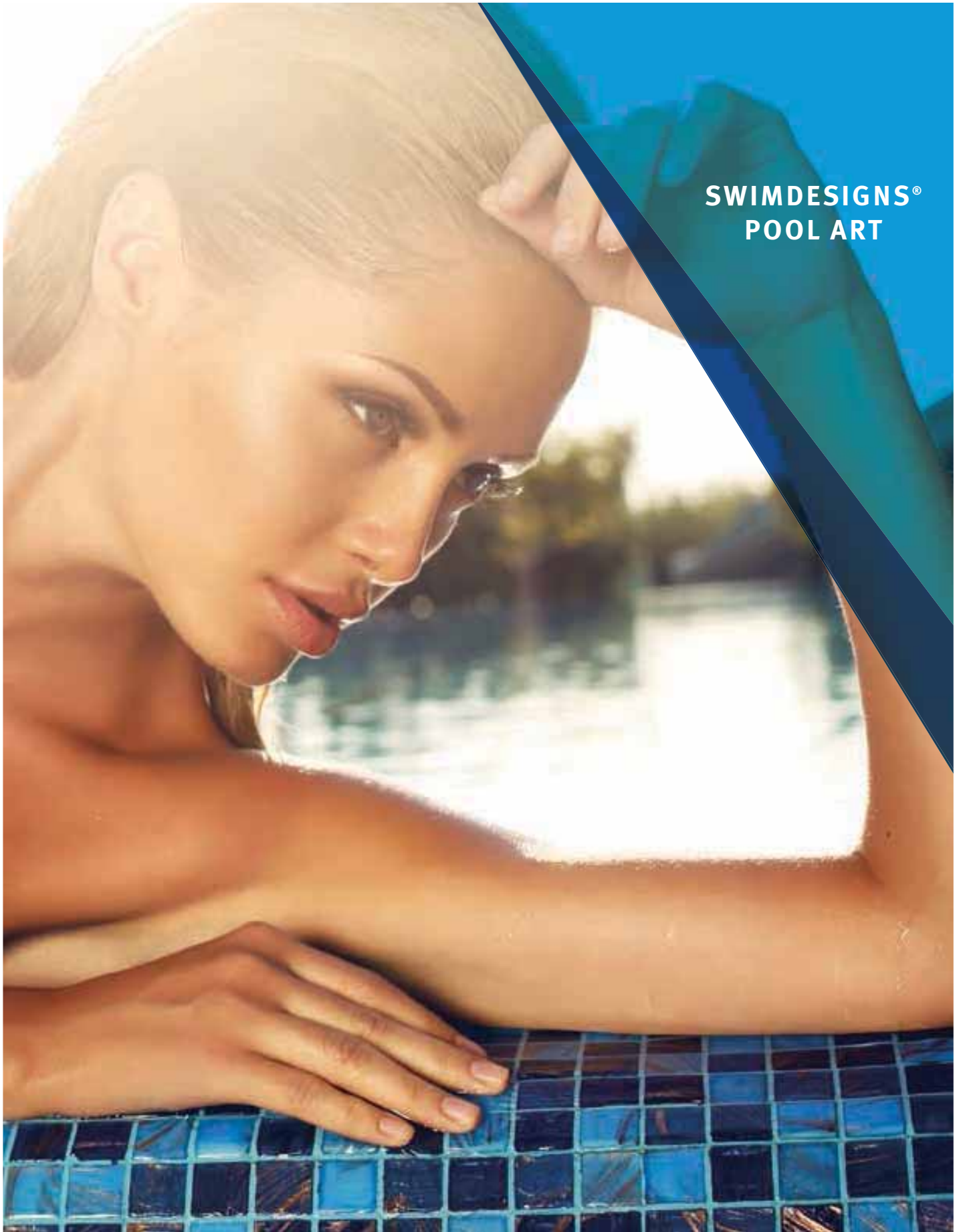


# Typical Corona Discharge Pump Installation



CHEMICAL FEEDERS





**SWIMDESIGNS®**  
**POOL ART**

# SwimDesigns®

Offering a fresh new approach to artistry in a pool or spa. Available pre-filled in white frames with the specific glass bead and plaster colors shown on pages 137-147.

They are also available as Fillable Friends which come in two customizable options: solid ABS frames in white or dark gray, or PVC flexible frames in white, that you fill with any colored material you prefer (see pages 148-151).

All three options are easy and quick to install. Now there is a simple way to add pizzazz to any pool or spa. Take your next pool or spa project from ordinary to extraordinary with SwimDesigns.

See an installation video at [aquastarpoolproducts.com/swim-designs.php](http://aquastarpoolproducts.com/swim-designs.php)

SWIMDESIGNS

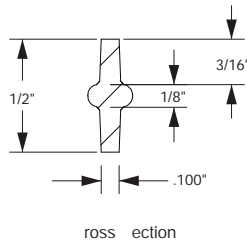
## Specifications

The filled frames on the following pages are available with white frames only. See pages 148-151 for unfilled frames, available in white or dark gray.

We have three lines of pool art including:

- Ocean Friends – whimsical representations of favorite sea creatures.
- Fun in the Sun – sun and shore graphics to add a personal touch.
- Ocean Motifs – nautical-inspired themes.

### TYPICAL FRAME CROSS SECTION



### Angel Fish Frame

### OCEAN FRIENDS

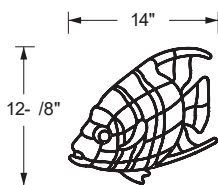
Size: 14" x 12<sup>7</sup>/<sub>8</sub>"

Filled frame: part # F2002-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



Crab Frame

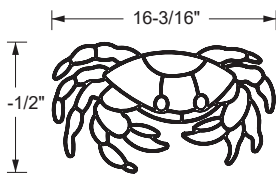
OCEAN FRIENDS

Size: 16<sup>3</sup>/<sub>16</sub>" x 9<sup>1</sup>/<sub>2</sub>"

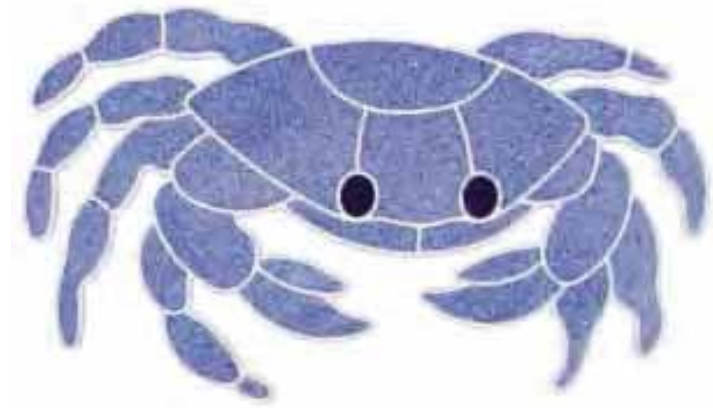
Filled frame: part # F2003-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



Dolphin Frame

OCEAN FRIENDS

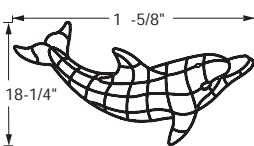
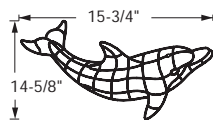
Size:  
15<sup>3</sup>/<sub>4</sub>" x 14<sup>5</sup>/<sub>8</sub>" medium  
19<sup>5</sup>/<sub>8</sub>" x 18<sup>1</sup>/<sub>4</sub>" large

Medium filled frame: part # F2015-01  
Large filled frame: part # F2016-01  
1 per case

Dolphin Set (1 medium and 1 large)  
Filled frames: part # F2029-01  
1 set per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



White frame filled (set)



Lobster Frame

OCEAN FRIENDS

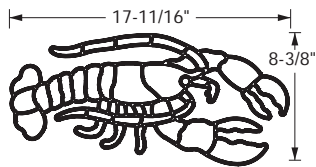
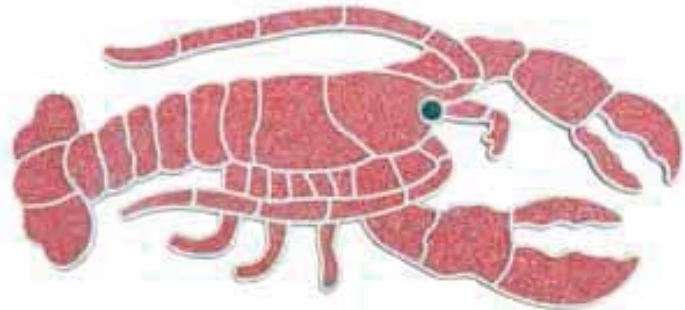
Size: 17<sup>11</sup>/<sub>16</sub>" x 8<sup>3</sup>/<sub>8</sub>"

Filled frame: part # F2006-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



Octopus Frame

OCEAN FRIENDS

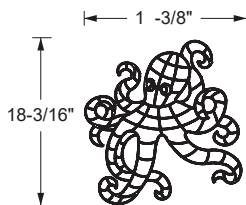
Size: 17<sup>3</sup>/<sub>8</sub>" x 18<sup>3</sup>/<sub>16</sub>"

Filled frame: part # F2008-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



STANDARD FILLED FRAME COLOR 01

### Seahorse Frame

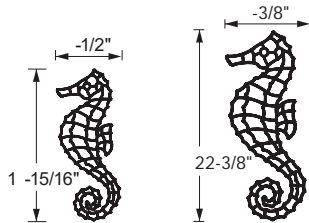
OCEAN FRIENDS

Size:  
7½" x 17<sup>15</sup>/<sub>16</sub>" medium  
9<sup>3</sup>/<sub>8</sub>" x 22<sup>3</sup>/<sub>8</sub>" large  
Medium filled frame: part # F2017-01  
Large filled frame: part # F2018-01  
1 per case

Seahorse Set (1 medium and 1 large)  
Filled frames: part # F2031-01  
1 set per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



White frame filled (set)



### Sea Lion Frame

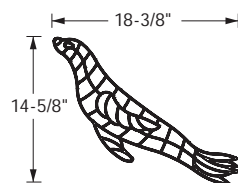
OCEAN FRIENDS

Size: 18<sup>3</sup>/<sub>8</sub>" x 14<sup>5</sup>/<sub>8</sub>"

Filled frame: part # F2009-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



### Shark Frame

OCEAN FRIENDS

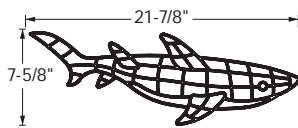
Size: 21<sup>7</sup>/<sub>8</sub>" x 7<sup>5</sup>/<sub>8</sub>"

Filled frame: part # F2010-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



### Stingray Frame

OCEAN FRIENDS

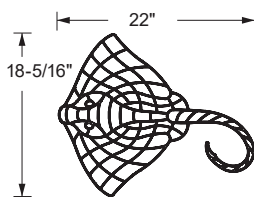
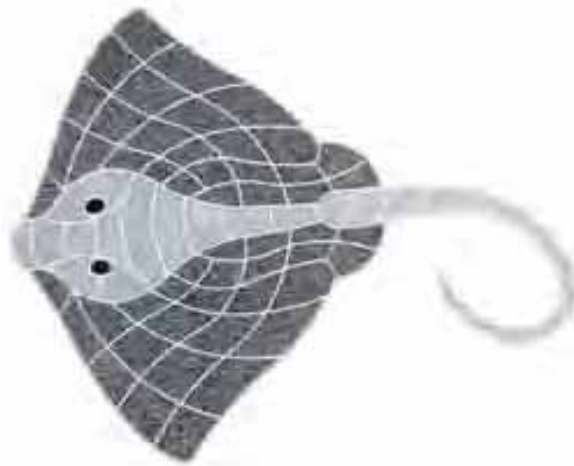
Size: 18<sup>5</sup>/<sub>16</sub>" x 22"

Filled frame: part # F2013-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled





STANDARD FILLED FRAME COLOR 01

### Turtle Frame

### OCEAN FRIENDS

**Size:**

14<sup>1</sup>/<sub>4</sub>" x 11<sup>3</sup>/<sub>4</sub>" small  
17<sup>3</sup>/<sub>4</sub>" x 14<sup>5</sup>/<sub>8</sub>" medium  
22<sup>1</sup>/<sub>4</sub>" x 18<sup>3</sup>/<sub>4</sub>" large

Small filled frame: part # F2022-01  
Medium filled frame: part # F2023-01  
Large filled frame: part # F2024-01  
1 per case

**Turtle Set**

Filled frames: part # F2030-01  
(1 small, 1 medium, 1 large)  
1 set per case

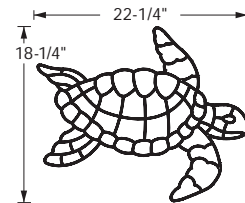
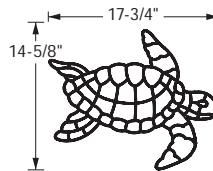
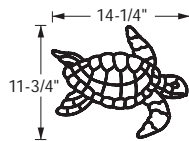
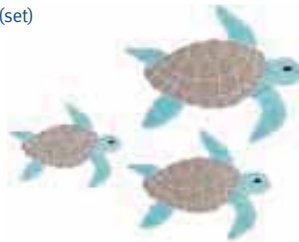
See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



White frame filled (set)



### Compass Frame

### FUN IN THE SUN

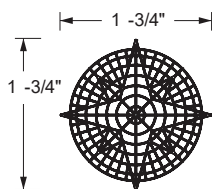
Size: 17<sup>3</sup>/<sub>4</sub>" x 17<sup>3</sup>/<sub>4</sub>"

Filled frame: part # F2001-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending

White frame filled



Dog Paw Frame

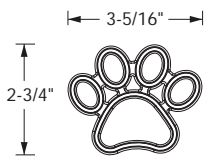
FUN IN THE SUN

Size:  $3\frac{3}{16}$ " x  $2\frac{3}{4}$ "

Filled frame: part # F2004-01  
Set of 4 / 1 set per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



Fleur de Lis Frame

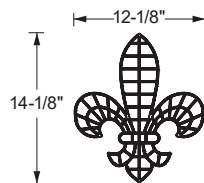
FUN IN THE SUN

Size:  $12\frac{1}{8}$ " x  $14\frac{1}{8}$ "

Filled frame: part # F2005-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



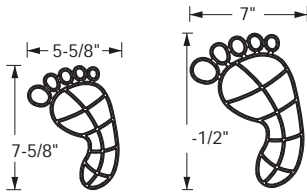
Footprint Frame

FUN IN THE SUN

Size:  
 5 5/8" x 7 5/8" small  
 7" x 9 1/2" medium  
 Small filled frame: part # F2019-01  
 Medium filled frame: part # F2020-01  
 Set of 2 / 1 set per case  
 See pages 148-151 for unfilled frames

White frame filled

U.S. and foreign patents pending



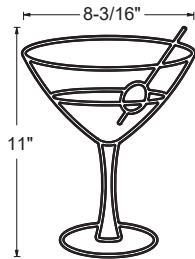
Martini Glass Frame

FUN IN THE SUN

Size: 8 3/16" x 11"  
 Filled frame: part # F2025-01  
 1 per case  
 See pages 148-151 for unfilled frames

White frame filled

U.S. and foreign patents pending



Palm Tree Frame

FUN IN THE SUN

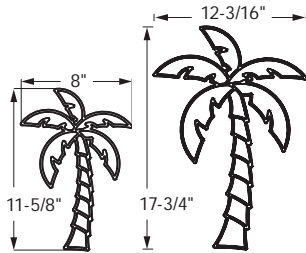
Size:

8" x 11 5/8" small  
 12 3/16" x 17 3/4" medium

Small filled frame: part # F2026-01  
 Medium filled frame: part # F2027-01  
 1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



Sandal Frame

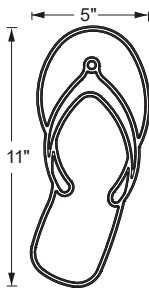
FUN IN THE SUN

Size: 5" x 11"

Filled frame: part # F2028-01  
 Set of 2 / 1 set per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



STANDARD FILLED FRAME COLOR 01

Sun Frame

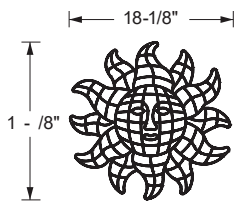
FUN IN THE SUN

Size: 18<sup>1</sup>/<sub>8</sub>" x 17<sup>7</sup>/<sub>8</sub>"

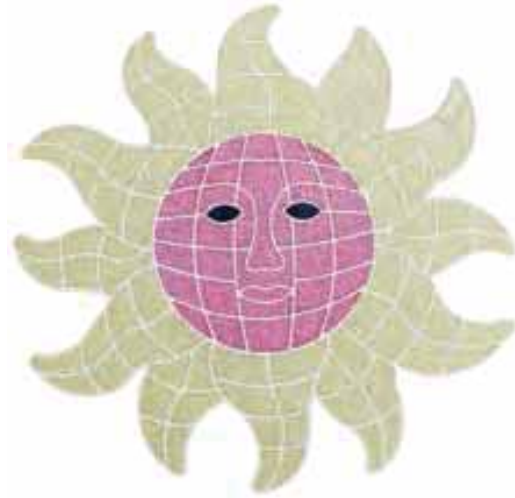
Filled frame: part # F2014-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



Mermaid Frame

OCEAN MOTIFS

Size: 31<sup>1</sup>/<sub>2</sub>" x 14<sup>5</sup>/<sub>16</sub>"

Filled frame: part # F2007-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



SWIMDESIGNS

Shell Frame

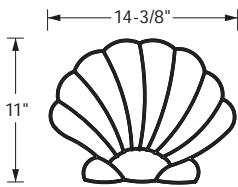
OCEAN MOTIFS

Size: 14<sup>3</sup>/<sub>8</sub>" x 11"

Filled frame: part # F2011-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled



Starfish Frame

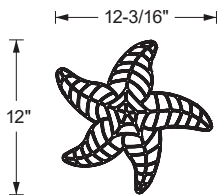
OCEAN MOTIFS

Size: 12<sup>3</sup>/<sub>16</sub>" x 12"

Filled frame: part # F2012-01  
1 per case

See pages 148-151 for unfilled frames

U.S. and foreign patents pending



White frame filled





01



05

## Unfilled Frames – Specifications

SwimDesigns are also available as Fillable Friends™ (unfilled frames) to be personalized with your choice of fill material (plaster, pebbles, glass beads, concrete and more).

Fillable Friends (unfilled frames) come in two standard colors: White or Dark Gray. Unfilled frames are also available in flexible PVC (White only).

### CODE KEY

Example: **F1xxx-xx**

F1 – Frame

xxx – Frame Number

xx – Frame Color (i.e. 01 = white)

### TYPICAL UNFILLED FRAME



## Unfilled Frames – Ocean Friends

### Angel Fish Frame Only

Part # F1002-xx

Flexible PVC frame: part # SPF1002-01

6 per case



### Crab Frame Only

Part # F1003-xx

Flexible PVC frame: part # SPF1003-01

6 per case



### Dolphin Frame Only

Part # F1015-xx (medium)

Flexible PVC frame: part # SPF1015-01

Part # F1016-xx (large)

Flexible PVC frame: part # SPF1016-01

6 per case



### Dolphin Set Frame Only

(1 medium / 1 large)

Part # F1029-xx

Flexible PVC frame: part # SPF1029-01

6 sets per case



U.S. and foreign patents pending

## Ocean Friends

### Lobster Frame Only

Part # F1006-xx

Flexible PVC frame: part # SPF1006-01

6 per case



### Octopus Frame Only

Part # F1008-xx

Flexible PVC frame: part # SPF1008-01

6 per case



### Seahorse Frame Only

Part # F1017-xx (medium)

Flexible PVC frame: part # SPF1017-01

Part # F1018-xx (large)

Flexible PVC frame: part # SPF1018-01

6 per case



### Seahorse Set Frame Only

(1 medium / 1 large)

Part # F1031-xx

Flexible PVC frame: part # SPF1031-01

6 per case



### Footprint Frame Only

Part # F1019-xx (small)

Flexible PVC frame: part # SPF1019-01

Part # F1020-xx (medium)

Flexible PVC frame: part # SPF1020-01

Reversible (left or right)

Set of 2 / 6 sets per case



### Sea Lion Frame Only

Part # F1009-xx

Flexible PVC frame: part # SPF1009-01

6 per case



### Shark Frame Only

Part # F1010-xx

Flexible PVC frame: part # SPF1010-01

6 per case



U.S. and foreign patents pending



## Ocean Friends

Stingray Frame Only  
Part # F1013-xx  
Flexible PVC frame: part # SPF1013-01  
6 per case



Turtle Frame Only      Flexible PVC  
Part # F1022-xx (small)    SPF1022-01  
Part # F1023-xx (medium)    SPF1023-01  
Part # F1024-xx (large)    SPF1024-01  
6 per case



Turtle Set Frame Only  
(1 small, 1 medium, 1 large)  
Part # F1030-xx  
Flexible PVC frame: part # SPF1030-01  
6 sets per case



Compass Frame Only  
Part # F1001-xx  
Flexible PVC frame: part # SPF1001-01  
6 per case



## Fun in the Sun

Dog Paw Frame Only  
Part # F1004-xx  
Flexible PVC frame: part # SPF1004-01  
Set of 4 / 6 sets per case



Fleur de Lis Frame Only  
Part # F1005-xx  
Flexible PVC frame: part # SPF1005-01  
6 per case



U.S. and foreign patents pending



01



05

## Fun in the Sun

Martini Glass Frame Only  
Part # F1025-xx  
Flexible PVC frame: part # SPF1025-01  
6 per case



Palm Tree Frame Only  
Part # F1026-xx (small)  
Flexible PVC frame: part # SPF1026-01  
Part # F1027-xx (medium)  
Flexible PVC frame: part # SPF1027-01  
6 per case



Sandal Frame Only  
Part # F1028-xx  
Flexible PVC frame: part # SPF1028-01  
Reversible (left or right)  
Set of 2 / 6 sets per case



Sun Frame Only  
Part # F1014-xx  
Flexible PVC frame: part # SPF1014-01  
6 per case



## Ocean Motifs

Mermaid Frame Only  
Part # F1007-xx  
Flexible PVC frame: part # SPF1007-01  
6 per case



Shell Frame Only  
Part # F1011-xx  
Flexible PVC frame: part # SPF1011-01  
Reversible (left or right)  
6 per case



Starfish Frame Only  
Part # F1012-xx  
Flexible PVC frame: part # SPF1012-01  
6 per case



U.S. and foreign patents pending

# Two Simple Installation Options

## WET SET



Step 1



Step 2



Step 3

## PRE-SET



Step 1



Step 2



Step 3



Step 3b



Step 4



Step 4b

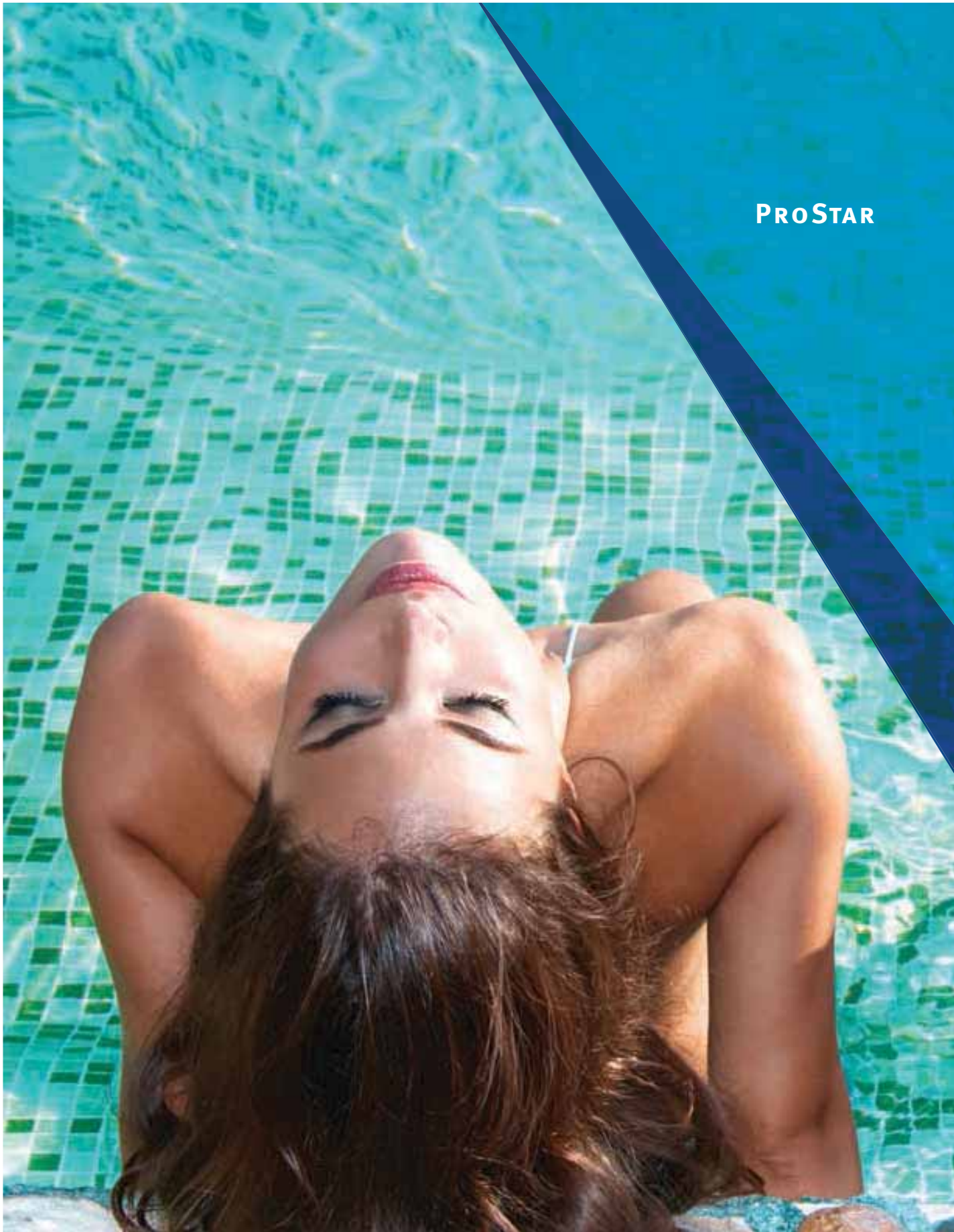
SWIMDESIGNS



Installed

SwimDesigns offer two easy installation options: wet set and pre-set.

Watch the installation video online at [aquastarpoolproducts.com/swim-designs.php](http://aquastarpoolproducts.com/swim-designs.php)



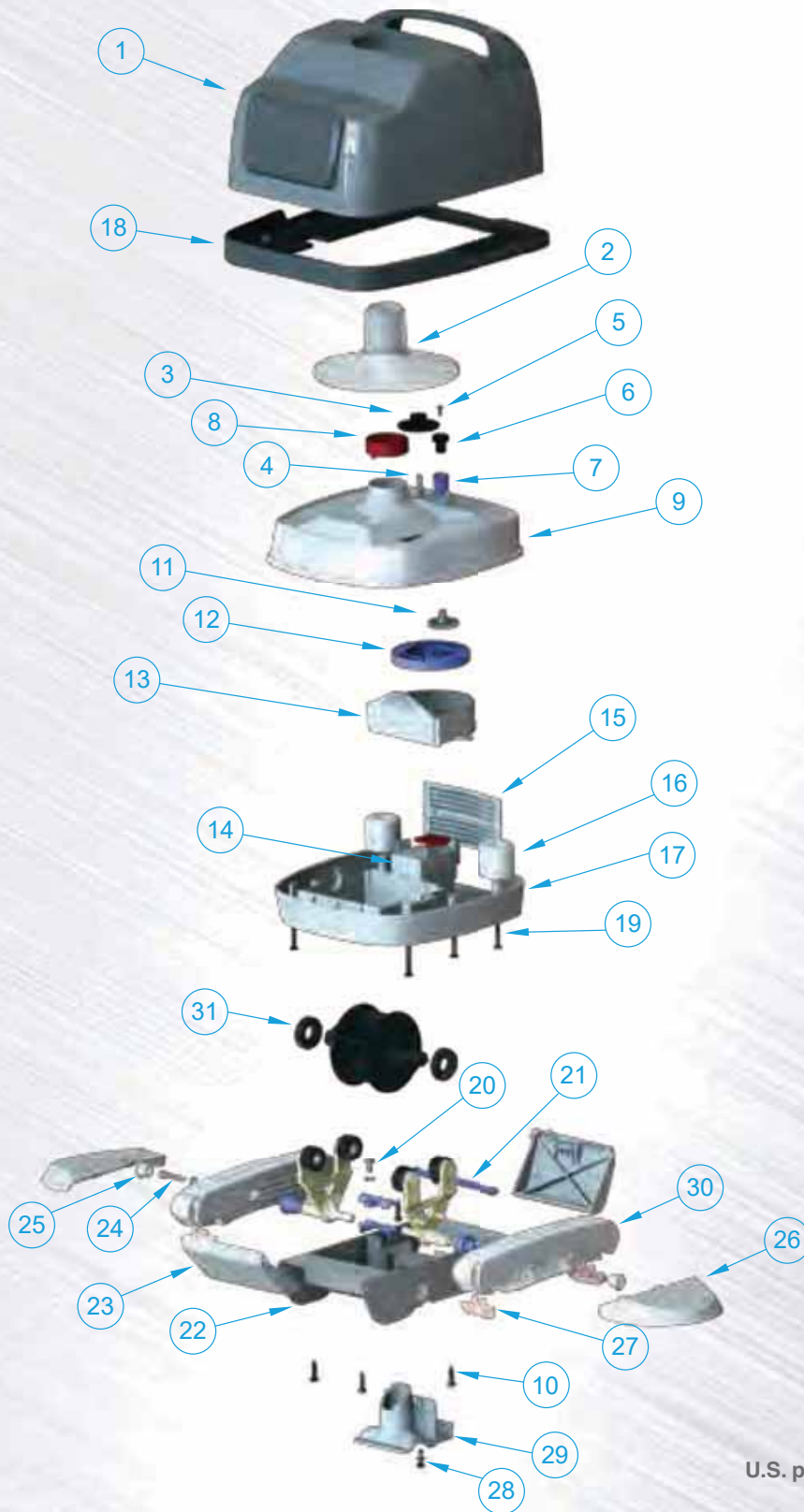
**PROSTAR**

# PROSTAR® ALL-AMERICAN REPLACEMENT PARTS FOR THE STARZTRUCK® AUTOMATIC POOL CLEANER

1. Top Shell HWN121xx
2. Cone Gear HWN122
3. Intermediate Gear HWN123
4. Intermediate Gear Shaft HWN124
5. Spindle Gear Screw HWN125
6. Spindle Gear HWN126
7. Spindle Gear Bushing HWN127
8. Cone Gear Bushing HWN128
9. Upper Middle Body HWN129
10. Upper Body Screw Kit (Six Pack) HWN130
11. Medium Turbine Drive Gear HWN131
12. Medium Turbine HWN132
13. Medium Turbine Case with Axle HWN133
14. Gear Box Assembly HWN134
15. Rear Screen HWN135xx
16. Float Kit (Two Pack) HWN136
17. Lower Middle Body HWN137
18. Bumper HWN138xx
19. Middle Body Screw (Six Pack) HWN139
20. Lower Body Screw (Four Pack) HWN140
21. Flap Adjuster HWN141
22. Lower Body HWN142xx
23. Flap Kit HWN143xx
24. Pod Screw Kit HWN110
25. Pod Plugs (Six Pack) HWN111
26. Wing Kit: Left and Right Wings HWN117xx
- 27a. Pod Shoes (Four Pack) for Vinyl HWN114
- 27b. Pod Shoes (Four Pack) for Concrete HWN115
28. Captive Screw / Retaining Clip HWN148
- 29a. Fixed Access Cover Assembly for Concrete Models HWN149xx
- 29b. Fixed Access Cover Assembly for Vinyl Models HWN149Vxx
30. Pod Kit HWN116xx
31. Turbine Bearings HWN112
32. Skimmer Cone HWN152
33. Leaf Canister HWN162
34. Lid for Leaf Canister HWN279
35. Basket for Leaf Canister HWN280
36. Lock Ring for Leaf Canister HWN281
37. O-Ring for Leaf Canister HWN282
38. Regulator Valve HWN161
39. Safety Vacuum Lock Wall Fitting VLK15Txx
40. Flow Gauge HWN153
41. Hose Connector HWN158
42. Four-Foot Regular Hose SZTHxx
43. Four-Foot Leader Hose SZTHLxx

- REPLACEMENT KITS**
- Turbine Kit HWN113 (see page 162)
  - Universal A-Frame Kit HWN118 (see page 162)
  - A-Frame and Turbine Kit HWN119 (see page 162)
  - A-Frame Bushing and Saddle Kit HWN120 (see page 163)
  - Medium Turbine/Spindle Gear Kit HWN154 (see page 163)
  - Propulsion/Conversion Kit HWN160 (see page 163)
  - Wing Kit and Pod Shoes HWN163xx (see page 161)
  - Pod Kit and A-Frame Kit HWN164xx (see page 163)





U.S. patent D654232

STANDARD COLORS  01  02  03

**1** ProStar # HWN121xx  
REPLACES # AXV411LG



Top Shell

Also available in Aqua Blue  
p/n HWN12116

U.S. patent D654232

**2** ProStar # HWN122  
REPLACES # AXV070



Cone Gear, Clear

**3** ProStar # HWN123  
REPLACES # AXV301



Intermediate Gear

**4** ProStar # HWN124  
REPLACES # AXV309



Intermediate Gear Shaft

**5** ProStar # HWN125  
REPLACES # AXV068



Spindle Gear Screw

**6** ProStar # HWN126  
REPLACES # AXV303



Spindle Gear

**7** ProStar # HWN127  
REPLACES # AXV066A



Spindle Gear Bushing

**8** ProStar # HWN128  
REPLACES # AXV306



Cone Gear Bushing

PROSTAR

**9** ProStar # HWN129  
REPLACES # AXV060WH



Upper Middle Body

**10** ProStar # HWN130  
REPLACES # AXV065P



Upper Body Screw Kit (6 Pack)

**11** ProStar # HWN131  
REPLACES # AXV064A



Medium Turbine Drive Gear

**12** ProStar # HWN132  
REPLACES # AXV062C



Medium Turbine

**13** ProStar # HWN133  
REPLACES # AXV009



Medium Turbine Case with Axle

**14** ProStar # HWN134  
REPLACES # AXV408P



Gear Box Assembly

**15** ProStar # HWN135xx  
REPLACES # AXV051AWH



Rear Screen

**16** ProStar # HWN136  
REPLACES # AXV054P



Float Kit (2 Pack)





# 17 ProStar # HWN137

REPLACES # AXV050CHW



Lower Middle Body

# 18 ProStar # HWN138xx

REPLACES # AXV605WHP



Bumper

# 19 ProStar # HWN139

REPLACES # AXV057P



Middle Body Screw (6 Pack)

# 20 ProStar # HWN140

REPLACES # AXV313



Lower Body Screw (4 Pack)

# 21 ProStar # HWN141

REPLACES # AXV031B



Flap Adjuster

# 22 ProStar # HWN142xx

REPLACES # AXV230DBKXWH



Lower Body

# 23 ProStar # HWN143xx

REPLACES # AXV434BKP



Flap Kit: Front and Rear Flaps and Springs

# 24 ProStar # HWN110

REPLACES # AXV015P



Pod Screw Kit: 2 Hex Headscrews, 2 Washers



**25** ProStar # HWN111  
REPLACES # AXV016P



Pod Plugs (6 Pack)

**26** ProStar # HWN117xx  
REPLACES # AXV604WHP



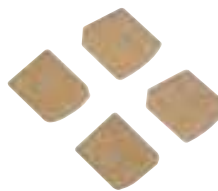
Wing Kit: Left and Right Wings

**27a** ProStar # HWN114  
REPLACES # AXV413P



Pod Shoes: Vinyl and Fiberglass (4 Pack)

**27b** ProStar # HWN115  
REPLACES # AXV414P



Pod Shoes: Concrete (4 Pack)

**28** ProStar # HWN148  
REPLACES # AXV314P



Captive Screw / Retaining Clip

**29a** ProStar # HWN149xx  
REPLACES # AXV603



Fixed Access Cover Assembly for Concrete Models

**29b** ProStar # HWN149Vxx  
REPLACES # AXV603A



Fixed Access Cover Assembly for Vinyl Models

**30** ProStar # HWN116xx  
REPLACES # AXV417WHP



Pod Kit: Left and Right Pods, Plugs, Screws, Washers



STANDARD COLORS  01  02  03

**31** ProStar # HWN112  
REPLACES # AXV055P



Turbine Bearings (2 Pack)

**32** ProStar # HWN152  
REPLACES # AXV093CP



Skimmer Cone

**33** ProStar # HWN162  
REPLACES # W560



Leaf Canister

**34** ProStar # HWN279  
REPLACES # AXW533A



Lid for Leaf Canister

**35** ProStar # HWN280  
REPLACES # AXV431A



Basket for Leaf Canister

**36** ProStar # HWN281  
REPLACES # AXW532



Lock Ring for Leaf Canister

**37** ProStar # HWN282  
REPLACES # AXW542



O-Ring for Leaf Canister

**38** ProStar # HWN161  
REPLACES # V094P



Regulator Valve

PROSTAR

# 39 ProStar # VLK15Txx

REPLACES # W4008WHP



Safety Vacuum Lock Wall Fitting (1 1/2" NPT)  
Part # VLK20Txx (2" NPT)  
Meets SPS-4-2009 Standard

# 40 ProStar # HWN153

REPLACES # AXV574P



Flow Gauge

# 41 ProStar # HWN158

REPLACES # AXV092



Hose Connector

# 42 ProStar # SZTHxx

REPLACES # V109



4-Foot Regular Hose

# 43 ProStar # SZTHLxx

REPLACES # V532



4-Foot Leader Hose

# 44 ProStar # HWN163xx

REPLACES # AXV414604



Wing Kit and Pod Shoes

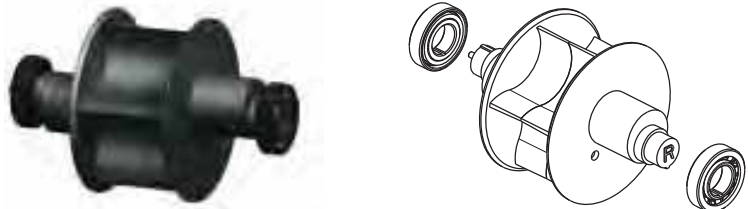


# PROSTAR® REPLACEMENT KITS

We've made pool equipment service and repair a lot easier with the convenient replacement kits shown on this page. Each kit is a complete grouping that contains everything you need for that particular repair. To stock up on individual replacement parts, see pages 156-161.

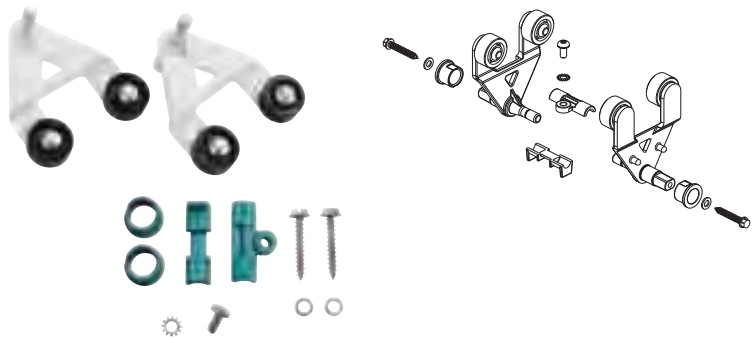
## ProStar # HWN113 REPLACES # AXV602P/112P

Turbine Kit: Turbine and Two Turbine Bearings



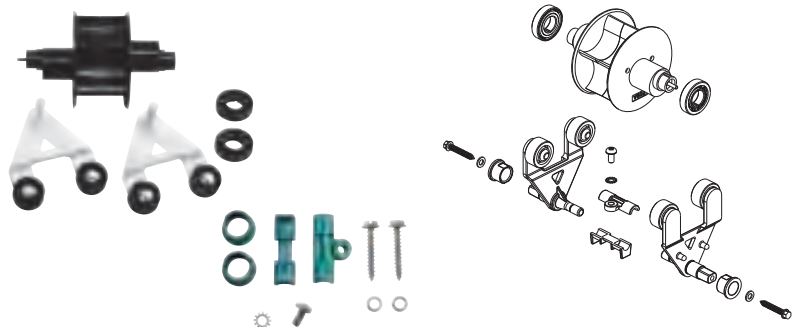
## ProStar # HWN118 REPLACES # AXV621D

Universal A-Frame Kit



## ProStar # HWN119 REPLACES # AXV621DAT

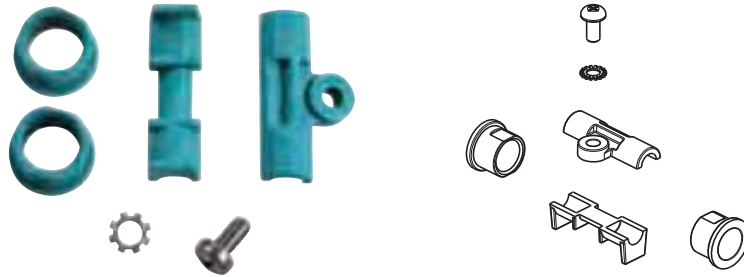
A-Frame and Turbine Kit



STANDARD COLORS  01  02  03

**ProStar # HWN120**  
**REPLACES # AXV699P**

A-Frame Bushing and Saddle Kit



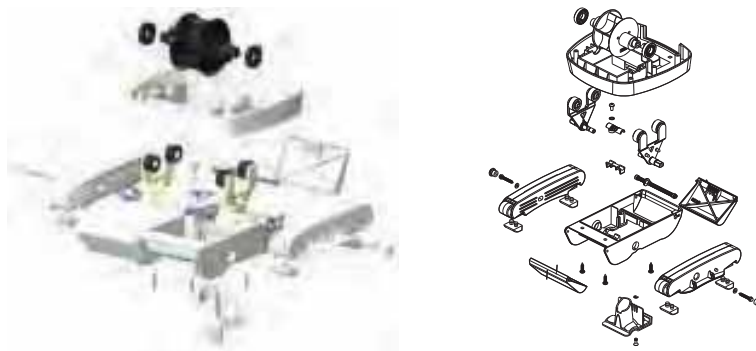
**ProStar # HWN154**  
**REPLACES # AXV079VP**

Medium Turbine/Spindle Gear Kit



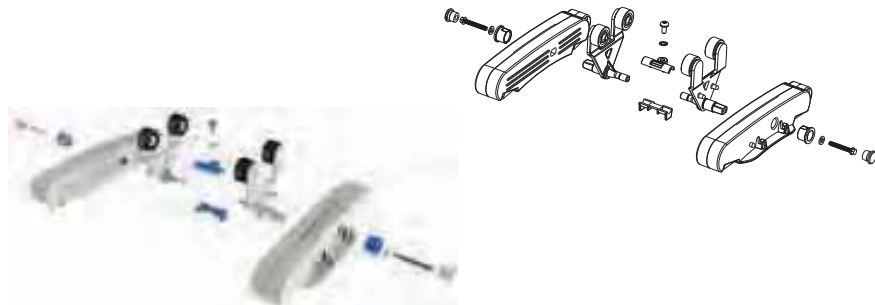
**ProStar # HWN160xx**  
**REPLACES # AXV622DPK**

Propulsion/Conversion Kit



**ProStar # HWN164xx**  
**REPLACES # AXV621417**

Pod Kit and A-Frame Kit



PRO STAR

# PROSTAR® ALL-AMERICAN REPLACEMENT PARTS FOR AUTOMATIC PRESSURE SIDE POOL CLEANERS P180/280

- SS1 P2031 Screw 10-32x3/8
- SS2 P2043 Adjustment Screw, Sweep Hose
- SS3 P2048 Feed Pipe
- SS4 P1032 Vacuum Tube
- SS5 P1004 Large Axle with Washer and Sand Guard
- SS6 P2042 10-32x7/8 Screw
- SS7 P2038 Lock Washer
- SS8 P2016 Axle Plate
- SS9 P1005 Ball Bearing for Wheels
- SS11 P2014 Wheel Screw
- SS11 P2013 Wheel Washer
- SS12 P2015 Tire
- SS13 P2012 Wheel
- SS14 P2017 Rear Wheel Axle and Washer
- SS15 P1035 Thrust Jet Kit
- SS16 P2022 Small Idler Wheel
- SS17 P2035 4-40x3/16" Screw
- SS18 P2036 6-32x1/2" Screw
- SS19 P2037 Spring
- SS20 P1036 Swing Axle Kit
- SS21 P1009 Water Management System
- SS22 P1017 Frame
- SS23 P1002 Ball Bearings for Turbine
- SS24 P2003 Turbine Shaft Seal
- SS25 P1001 Drive Shaft, Assembled
- SS26 P2046 Turbine Cover with Elbow





**SS1** ProStar # P2031  
REPLACES # C-40



Screw 10-32x3/8 SS Pan Head

**SS2** ProStar # P2043  
REPLACES # B-20



Adjustment Screw for Sweep Hose

**SS3** ProStar # P2048  
REPLACES # K-30



Feed Pipe

**SS4** ProStar # P1032  
REPLACES # K-20



Vacuum Tube

**SS5** ProStar # P1004  
REPLACES # C-66



Large Axle with Washer and Sand Guard

**SS6** ProStar # P2042  
REPLACES # C-76



10-32 x 7/8" SS Pan Head Screw

**SS7** ProStar # P2038  
REPLACES # C-45



Lock Washer

**SS8** ProStar # P2016  
REPLACES # C-70



Axle Plate

**SS9** ProStar # P1005  
REPLACES # C-60



Ball Bearing for Wheels (sold individually)

**SS10** ProStar # P2014  
REPLACES # C-55



Wheel Screw

**SS11** ProStar # P2013  
REPLACES # C-64



Wheel Washer

**SS12** ProStar # P2015  
REPLACES # C-10



Tire



**SS13** ProStar # P2012  
REPLACES # C-6



Wheel

**SS14** ProStar # P2017  
REPLACES # C-65



Rear Wheel Axle and Washer

**SS15** ProStar # P1035  
REPLACES # C-131



Thrust Jet Kit

**SS16** ProStar # P2022  
REPLACES # C-16



Small Idler Wheel

**SS17** ProStar # P2035  
REPLACES # C-30



4-40x3/16" SS Pan Head Screw

**SS18** ProStar # P2036  
REPLACES # C-32



6-32x1/2" SS Pan Head Screw

PROSTAR

**SS19** ProStar # P2037  
REPLACES # C-25



Spring

**SS20** ProStar # P1036  
REPLACES # C-36



Swing Axle Kit

**SS21** ProStar # P1009  
REPLACES # K-25



Water Management System

**SS22** ProStar # P1017  
REPLACES # K-145



Frame

**SS23** ProStar # P1002  
REPLACES # C-80



Ball Bearings, Turbine (sold individually)

**SS24** ProStar # P2003  
REPLACES # A-40



Turbine Shaft Seal



**SS25** ProStar # P1001  
REPLACES # C-86



Drive Shaft, Assembled

**SS26** ProStar # P2046  
REPLACES # C-110



Turbine Cover with Elbow

**ProStar # SSC100**  
REPLACES # A-49



Complete Rebuild Kit

PROSTAR

170 ProStar

# PROSTAR MISCELLANEOUS REPLACEMENT PARTS

## Brass Inserts with Stainless Steel Screws for Suction Outlet Retrofits

Custom brass cement anchors (4); and stainless steel #316 pan head machine screws (4)

Mount, drill and epoxy directly into pool finish using a 5/16" masonry drill bit and two-part wet/dry epoxy

Install with accompanying stainless steel #316 pan head machine screws

No need to use existing frame

Perfect for odd-sized sumps or non-structural frames/sumps

Use with four outside holes on p/n 914xxx for sumps/frames up to 13"

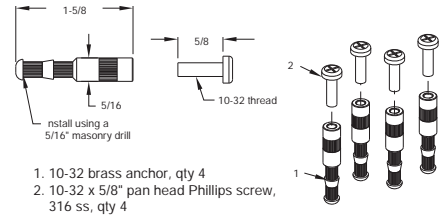
Use with four outside holes on p/n 1216xxx for sumps/frames up to 15"

Use with three outside frame holes on p/n A10RCFRxxx for sumps/frames up to 10"

Set of 4, 1 set per case



Part # BIK4 (4-pack)



To retrofit all existing sumps/frames up to 15", anchor directly into the pool finish using the extra holes on 1216xxx, 914xxx or A10RCFRxxx

## Pump Strainer Cover, Thread Style

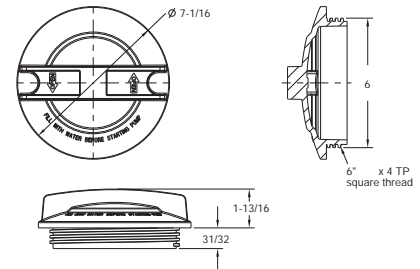
Universal lid adapts to other brands' pumps, replaces p/n SPX3100D

Manufactured from superior UV-resistant engineered polymers

25 per case



Part # HWPL100



## Socket and Jet Removal Tool for Most Major Brand Return Fittings

Perfect for homeowners and pool service professionals to make adjustments to jet or directional eyeball locking ring

Manufactured from super strong GF nylon

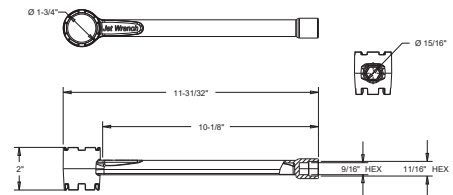
Two size hex sockets on end of wrench allow for jet removal or adjustment of most styles

Fits most adjustable eyeball locking rings

25 per case



Part # VSJW102



## T-Wrench

Helps install and remove 2" MPT PVC plugs

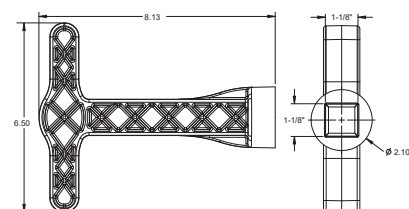
For use with 8SBP which comes with the FCxxx, 32" channel drains and all 8" sump buckets

NSF-approved materials

25 per case



Part # FC16102



PROSTAR

# PROSTAR® ALL-AMERICAN REPLACEMENT PARTS

## CH100 IN-LINE CHLORINATOR

- CH1 CH1004 3" Threaded Cap for CH100 / CH200
- CH2 CH1009 3" O-Ring for CH100 / CH200
- CH3 CH1029 Screen for CH100
- CH4 CH1048 Silicone Lubricant for CH100 / CH200
- CH1-5 CH1031 5/8" OD 18" Tube (optional top feed) for CH100
- CH1-6 CH1030 1/2" Bromine Standpipe Adapter for CH100
- CH1-7 CH1015 1/2" MPT PVC Plug for CH100
- CH1-8 CH1036 #8 x 1/2" Large Slotted Hex Head Lock Screw for CH100
- CH1-9 CH1018 1/2" x Short MPT Nipple for CH100
- CH1-10 CH1019 1/2" Chlorine Control Valve for CH100
- CH1-11 CH1017 1/2" 90 NPT x Tube Fitting with Nut for CH100
- CH1-12 CH1016 2" x 1 1/2" SxS Bushing for CH100
- CH1-13 CH1027 Tube Support Spring for CH100
- CH1-14 CH1026 5/8" OD Short Feeder Tube for CH100
- CH1-15 CH1005 Diverter Tee for CH100
- CH1-16 CH1010 Check Valve for CH100



PROSTAR

# SPECIALLY DESIGNED FOR CHEMSTAR™ CHLORINATORS

## CH200 OFF-LINE CHLORINATOR

- CH1 CH1004 3" Threaded Cap for CH100 / CH200
- CH2 CH1009 3" O-Ring for CH100 / CH200
- CH4 CH1048 Silicone Lubricant for CH100 / CH200
- CH2-5 CH1065 1/4" Chlorine Control Valve for CH200
- CH2-6 CH1056 Saddle Tube Fitting for CH200
- CH2-7 CH1057 Saddle Gasket for CH200
- CH2-8 CH1066 Saddle Clamp for CH200
- CH2-9 CH1075 Parts Bag for CH200
- CH2-10 CH1074 3/8" OD x 1/4" ID Tubing 8' for CH200



PROSTAR



# CH1

**ProStar # CH1004**  
**REPLACES # R172008W**



3" Threaded Cap for CH100 / CH200

# CH2

**ProStar # CH1009**  
**REPLACES # R172009**



3" O-Ring for CH100 / CH200

# CH3

**ProStar # CH1029**  
**REPLACES # R172255**



Screen for CH100

# CH4

**ProStar # CH1048**  
**REPLACES # R172036**



Silicone Lubricant for CH100 / CH200

# CH1-5

**ProStar # CH1031**  
**REPLACES # R172253**



5/8" OD 18" Tube (optional top feed) for CH100

# CH1-6

**ProStar # CH1030**  
**REPLACES # R172048B**



1/2" Bromine Standpipe Adapter for CH100

# CH1-7

**ProStar # CH1015**  
**REPLACES # R172134**



1/2" MPT PVC Plug for CH100

# CH1-8

**ProStar # CH1036**  
**REPLACES # R01052**



#8 x 1/2" Large Slotted Hex Head Lock Screw for CH100

**CH1-9** ProStar # CH1018  
REPLACES # R172256



1/2" x Short MPT Nipple for CH100

**CH1-10** ProStar # CH1019  
REPLACES # R172086



1/2" Chlorine Control Valve for CH100

**CH1-11** ProStar # CH1017  
REPLACES # R172272



1/2" 90 NPT x Tube Fitting with Nut for CH100

**CH1-12** ProStar # CH1016  
REPLACES # R172210



2" x 1 1/2" SxS Bushing for CH100

**CH1-13** ProStar # CH1027  
REPLACES # R171097



Tube Support Spring for CH100

**CH1-14** ProStar # CH1026  
REPLACES # R172091



5/8" OD Short Feeder Tube for CH100

**CH1-15** ProStar # CH1005  
REPLACES # R172317



Diverter Tee for CH100

**CH1-16** ProStar # CH1010  
REPLACES # R172248



Check Valve for CH100



**CH2-5** ProStar # CH1065  
REPLACES # R172060



1/4" Chlorine Valve for CH200

**CH2-6** ProStar # CH1056  
REPLACES # R172262



Saddle Tube Fitting for CH200

**CH2-7** ProStar # CH1057  
REPLACES # R172263



Saddle Gasket for CH200

**CH2-8** ProStar # CH1066  
REPLACES # R172264



Saddle Clamp for CH200

**CH2-9** ProStar # CH1075  
REPLACES # R172064



Parts Bag for CH200

**CH2-10** ProStar # CH1074  
REPLACES # R172023



3/8" OD x 1/4" ID Tubing 8' for CH200

# PROSTAR SCREW KITS



PAN HEAD



FLAT HEAD



DOG BONES



SCWA-6 CONCRETE ANCHORS



EXTENDER BUSHINGS



PLASTIC ADAPTER BUSHINGS



LARGE / SMALL SLIDE



BUSHINGS

## ProStar # SCW1001

**SCREW KIT:** 10x3/4 flat head Phillips (2), 10x1-1/4 flat head Phillips (2); **FOR** LP8AVWRxxx, 10LTxxx, 10AVRxxx

## ProStar # SCW1002

**SCREW KIT:** 10x3/4 flat head Phillips (8), dog bone supports (4); **FOR** 32CDLFRxxx, 32CDAVFRxxx

## ProStar # SCW1003

**SCREW KIT:** 10x1-3/4 flat head Phillips (16); **FOR** WAV18WRxxx, P18xxx

## ProStar # SCW1004

**SCREW KIT:** 10x3/4 flat head Phillips (16); **FOR** 32CDPHxxx, 32CDPHFRxxx

## ProStar # SCW1006

**SCREW KIT:** 10x1 flat head Phillips (30), 10x3/4 flat head Phillips (8); **FOR** 32CDPHVxxx

## ProStar # SCW1007

**SCREW KIT:** 10x1 flat head Phillips (30), 10x1-1/4 pan head Phillips (8); **FOR** 32CDPHFGxxx

## ProStar # SCW1008

**SCREW KIT:** 10x1-3/4 flat head Phillips (4); **FOR** WAV9WRxxx, WAV12WRxxx

## ProStar # SCW1009

**SCREW KIT:** 10x3/4 flat head Phillips (2); **FOR** GDDxxx

## ProStar # SCW1010

**SCREW KIT:** 10x1 flat head Phillips (4), 10-24x1-1/4 flat head Phillips (4), 10x1-1/2 flat head Phillips (4); **FOR** R9MFxxx, R12MFxxx

## ProStar # SCW1012

**SCREW KIT:** 10x1-1/4 pan head Phillips (8), 10x3/4 flat head Phillips (8); **FOR** 32CDLTxxx, 32CDLTFxxx

## ProStar # SCW1013

**SCREW KIT:** 10x3/4 flat head Phillips (30), 10x1-1/4 flat head Phillips (8); **FOR** 32CDAVVxxx, 32CDFLVxxx

## ProStar # SCW1014

**SCREW KIT:** 10x1-1/4 pan head Phillips (8), 10x1 flat head Phillips (30); **FOR** 32CDLTVxxx

## ProStar # SCW1016

**SCREW KIT:** 8-32x1-1/4 flat head Phillips (16), 10x3/4 flat head Phillips (24); **FOR** SUN18HPHxxx, RSUN18HPHxxx

## ProStar # SCW1017

**SCREW KIT:** 12x1-3/4 Phillips flat head 316SS screws (14), 10-32x3/4 Phillips flat head 316SS screws (2); **FOR** SKRFL12xxx

## ProStar # SCW1018

**SCREW KIT:** 8-32x1-1/4 flat head Phillips (16), 10x1 flat head Phillips (16), 10-24x1-1/4 flat head Phillips (16), 10x3/4 flat head Phillips (24); **FOR** RSUN18HPHRxxx

## ProStar # SCW1019

**SCREW KIT:** 10-32x3/4 flat head Phillips (10); **FOR** FCxxx

## ProStar # SCW1020

**SCREW KIT:** SCWA-6 concrete anchors (8), 10x3/4 flat head Phillips (8), 10x1 pan head Phillips (10); **FOR** 32PDxxx

## ProStar # SCW1021

**SCREW KIT:** 10x3/4 flat head Phillips (16); **FOR** WAV24xxx, 24xxx

## ProStar # SCW1022

**SCREW KIT:** 12x1-1/4 flat head Phillips (12); **FOR** SKRV3Nxxx

## ProStar # SCW1023

**SCREW KIT:** 10-32x1 pan head Phillips (4), 10x1 flat head Phillips (4), 10x1-1/2 flat head Phillips (4), 10-24x1-1/4 flat head Phillips (4), 10x3/4 flat head Phillips (4); **FOR** 1216xxx, 914xxx

## ProStar # SCW1024

**SCREW KIT:** 12x1-3/4 flat head Phillips (12); **FOR** SKRF3Nxxx

## ProStar # SCW1025

**SCREW KIT:** 10x3/4 pan head Phillips (4), 10-32x5/8 flat head Phillips (8); **FOR** A10RCFR2xxx

## ProStar # SCW1026

**SCREW KIT:** 8x2-1/2 flat head Phillips (4), extender bushings (4); **FOR** RNDxxx

## ProStar # SCW1027

**SCREW KIT:** 8x1-1/4 flat head Phillips (1); **FOR** 4DIVxxx

## ProStar # SCW1029

**SCREW KIT:** 8-32x1-1/4 flat head Phillips (4); **FOR** 6HPHAxxx

## ProStar # SCW1030

**SCREW KIT:** 8-32x1/2 flat head Phillips (3); **FOR** 4HPxxx

## ProStar # SCW1031

**SCREW KIT:** 8x1-1/4 flat head Phillips (1); **FOR** 4DIVxxx

## ProStar # SCW1032

**SCREW KIT:** 1/4" concrete anchors (3), large slide (2), small slide (2), 10-32 x 5/8 flat head Phillips (4), 10-32 x 3/4 pan head Phillips (4), 10-32 x 5/16 pan head Phillips (2), 10x1 pan head Phillips (3), 8-32 x 3/4 pan head Phillips (2), 10-24x7/8 pan head Phillips (2), 10x3/4 pan head Phillips (2), 8x1 pan head Phillips (2), 8x3/4 pan head Phillips (2); **FOR** A10RCFRxxx, A10RCFRxxx-V

## ProStar # SCW1035

**SCREW KIT:** 8x5/8 pan head Phillips (2), 10x1 flat head Phillips (2), 10x3/4 flat head Phillips (2), plastic adapter bushings (2), 10-24x1/2 flat head Phillips (2); **FOR** R8MFxxx

## ProStar # SCW1042

**SCREW KIT:** 10x3/4 flat head Phillips 316 ss screws (4); **FOR** 9MFxxx and 12MFxxx

## ProStar # SCW1043

**SCREW KIT:** 10x1-1/4 flat head Phillips (30), 10x1-1/4 pan head Phillips (8); **FOR** 32CDLTFGxxx

## ProStar # SCW1045

**SCREW KIT:** 10x3/4 flat head Phillips (4), 10x1-1/4 flat head Phillips (2); **FOR** A8Rxxx

## ProStar # SCW1046

**SCREW KIT:** 10x3/4 flat head Phillips (8); **FOR** 32CDFLxxx, 32CDAVxxx, PS109xxx

## ProStar # SCW1047

**SCREW KIT:** 10x3/4 flat head Phillips (4); **FOR** 8MFxxx, 10MFxxx

## ProStar # SCW1048

**SCREW KIT:** 10x3/4 flat head Phillips (16); **FOR** 18MFxxx

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# Index

Part #	Part Description	pg #
<b>Drains</b>		
10AVRxxx	10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring and Mud Frame	24
10AVRxxxA	10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring with Double-Deep Sump	25
10AVRxxxB	10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	25
10AVRxxxD	10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring with 4" Socket Deep PVC Sump	25
10AVRxxxF	10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring with 6" Socket Deep PVC Sump	25
10LTxxx	10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover and Mud Frame	26
10LTxxxA	10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover with Double-Deep Sump	27
10LTxxxB	10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	27
10LTxxxD	10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover with 4" Socket Deep PVC Sump	27
10LTxxxF	10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover with 6" Socket Deep PVC Sump	27
10MFxxx	10" Round MoFlow™ Suction Outlet Cover and Mud Frame	22
10MFxxxA	10" Round MoFlow™ Suction Outlet Cover with Double-Deep Sump	23
10MFxxxB	10" Round MoFlow™ Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	23
10MFxxxD	10" Round MoFlow™ Suction Outlet Cover with 4" Socket Deep PVC Sump	23
10MFxxxF	10" Round MoFlow™ Suction Outlet Cover with 6" Socket Deep PVC Sump	23
12FRxxx	12" Mud Frame	41
1216xxx	16" Square Anti-Entrapment Suction Outlet Cover for 12" Square Retrofits or New Construction	40
1216xxxA	16" Square Anti-Entrapment Suction Outlet Cover with Double-Deep Sump	41
1216xxxB	16" Square Anti-Entrapment Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	41
1216xxxD	16" Square Anti-Entrapment Suction Outlet Cover with 4" Socket Deep PVC Sump	41
1216xxxF	16" Square Anti-Entrapment Suction Outlet Cover with 6" Socket Deep PVC Sump	41
1216FRxxx	Retrofit Adapter Frame for ¾" deep 12" square retrofits	41
12MFxxx	12" Square MoFlow™ Suction Outlet Cover and Mud Frame	36
12MFxxxA	12" Square MoFlow™ Suction Outlet Cover with Double-Deep Sump	37
12MFxxxB	12" Square MoFlow™ Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	37
12MFxxxD	12" Square MoFlow™ Suction Outlet Cover with 4" Socket Deep PVC Sump	37
12MFxxxF	12" Square MoFlow™ Suction Outlet Cover with 6" Socket Deep PVC Sump	37
12XB	Stainless Steel T-Bar for Spanning 12" Troughs with Bonding Lug	62
18MFxxx	18" Square Mud Frame with Four 9" Square MoFlow™ Suction Outlet Covers	42
18MFNFxxx	Four 9" Square MoFlow™ Suction Outlet Covers for ¾" deep retrofits	42
18XB	Stainless Steel T-Bar for Spanning 18" Troughs with Bonding Lug	62
24xxx	24" Square Frame with Four 12" Square Flat Grate Anti-Entrapment Suction Outlet Covers	49
24NFxxx	Four 12" Square Flat Grate Anti-Entrapment Suction Outlet Covers for ¾" deep retrofits	49
32CDAVFRxxx	32" Channel Drain Anti-Entrapment Suction Outlet Cover and Frame	55
32CDAVFGxxx	32" Channel Drain Anti-Entrapment Suction Outlet Cover and ABS Three-Port Manufactured Sump for Fiberglass	112
32CDAVNFxxx	32" Channel Drain Anti-Entrapment Suction Outlet Cover Only without Mud Frame	54
32CDAVxxx	32" Channel Drain with PVC Three-Port Sump/Anti-Vortex Anti-Entrapment Suction Outlet Cover	54
32CDAVVxxx	32" Channel Drain Anti-Entrapment Suction Outlet Cover and ABS Three-Port Manufactured Sump for Vinyl	111
32CDFLFRxxx	32" Channel Drain Flat Grate Anti-Entrapment Suction Outlet Cover and Frame	51
32CDFLFGxxx	32" Channel Drain Flat Grate Anti-Entrapment Suction Outlet Cover and ABS Three-Port Manufactured Sump for Fiberglass	108
32CDFLNFxxx	32" Channel Drain with Flat Grate Anti-Entrapment Suction Outlet Cover Only without Mud Frame	50
32CDFLxxx	32" Channel Drain Flat Grate Anti-Entrapment Suction Outlet Cover and PVC Three-Port Manufactured Sump	50
32CDFLVxxx	32" Channel Drain Flat Grate Suction Outlet Cover and ABS Three-Port Manufactured Sump for Vinyl	107
32CDLTFGxxx	32" Channel Drain Debris Catcher Suction Outlet and ABS Three-Port Manufactured Sump for Fiberglass	114
32CDLTFRxxx	32" Channel Drain Debris Catcher Suction Outlet with Frame	57

Part #	Part Description	pg #
<b>Drains CONTINUED</b>		
32CDLTxxx	32" Channel Drain Debris Catcher Suction Outlet with PVC Three-Port Manufactured Sump	56
32CDLTVxxx	32" Channel Drain Debris Catcher Suction Outlet with ABS Three-Port Manufactured Sump for Vinyl	113
32CDPxxx	32" Channel Drain Three-Port Manufactured PVC Sump	58
32CDPHFGxxx	32" Channel Drain Pinhole Anti-Entrapment Suction Outlet Cover and ABS Three-Port Manufactured Sump for Fiberglass	110
32CDPHFRxxx	32" Channel Drain Pinhole Anti-Entrapment Suction Outlet Cover with Mud Frame	53
32CDPHNFxxx	32" Channel Drain Pinhole Anti-Entrapment Suction Outlet Cover without Sump/Frame	52
32CDPHVxxx	32" Channel Drain Pinhole Anti-Entrapment Suction Outlet Cover and ABS Three-Port Manufactured Sump for Vinyl	109
32CDPHxxx	32" Channel Drain Pinhole Anti-Entrapment Suction Outlet Cover and Three-Port PVC Manufactured Sump	52
32CDSBV101	32" Channel Drain ABS Sump Only	115
32CRTSxxx	Clamping Ring for fiberglass	108
32PDxxx	32" Pinhole Anti-Entrapment Suction Outlet Cover and Propeller Drain® Manufactured ABS Sump	59
32VCG101	32" Vinyl Clamping Gasket (sold separately)	115
32VCRxxx	32" Vinyl Clamping Ring and Gasket	115
415S1xxx	1½" Slip-Insider Bulkhead Adapter for 4HPxxx	11
415Txxx	1½" MPT Bulkhead Adapter for 4HPxxx	11
420S1xxx	2" Slip Insider Bulkhead Adapter for 4HPxxx	11
420T15Sxxx	2" MPT x 1½" Socket Bulkhead Adapter for 4HPxxx	11
4HPxxx	4" Round Hockey Puck Sumpless Suction Outlet Cover	10
615S1xxx	1½" Slip-Insider Bulkhead Adapter for 6HPHAxxx	13
615Txxx	1½" Threaded Bulkhead Adapter for 6HPHAxxx	13
6E15Txxx	Extended 1½" Threaded Bulkhead Adapter for 6HPHAxxx	13
620S1xxx	2" Slip-Insider Bulkhead Adapter for 6HPHAxxx	13
620T15Sxxx	2" Threaded x 1½" Socket Bulkhead Adapter for 6HPHAxxx	13
625T20Sxxx	2½" Threaded x 2" Socket Bulkhead Adapter for 6HPHAxxx	13
6HA25T20Sxxx	2½" Thread and 2" Socket Bulkhead Adapter for Fiberglass/Steel, with Gasket and 2½" Locking Nut for 6HPHAxxx	13
6HPHAxxx	6" Round Hockey Puck Sumpless Suction Outlet Cover	12
8MFxxx	8" Round MoFlow™ Suction Outlet Cover and Mud Frame	18
8MFxxxA	8" Round MoFlow™ Suction Outlet Cover with Double-Deep Sump	19
8MFxxxB	8" Round MoFlow™ Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	19
8MFxxxD	8" Round MoFlow™ Suction Outlet Cover with 4" Socket Deep PVC Sump	19
8MFxxxF	8" Round MoFlow™ Suction Outlet Cover with 6" Socket Deep PVC Sump	19
8MFSBxxx	8" Round MoFlow™ Suction Outlet Cover and Mud Frame with Standard Sump, 1½" NPT and 2" Socket	19
8MFSBACxxx	8" Round MoFlow™ Suction Outlet Cover and Mud Frame with Standard Sump, Adjustable Collar, 1½" NPT and 2" Socket	19
8MFSBVxxx	8" Round MoFlow™ Suction Outlet Cover and Mud Frame with Standard Sump, Adjustable Collar, 1½" NPT, 2" Socket for Vinyl/Fiberglass	105
8VKxxx	8" Vinyl Clamping Ring and Gasket Replacement Kit	105
914xxx	14" Square Anti-Entrapment Suction Outlet Cover for 9" Square Retrofits or New Construction	32
914xxxA	14" Square Anti-Entrapment Suction Outlet Cover with Double-Deep Sump	33
914xxxB	14" Square Anti-Entrapment Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	33
914xxxD	14" Square Anti-Entrapment Suction Outlet Cover with 4" Socket Deep PVC Sump	33
914xxxF	14" Square Anti-Entrapment Suction Outlet Cover with 6" Socket Deep PVC Sump	33
914FRxxx	Retrofit Adapter Frame for ¾" deep 9" square retrofits	33
9FRxxx	9" Mud Frame	33
9MFxxx	9" Square MoFlow™ Suction Outlet Cover and Mud Frame	28
9MFxxxA	9" Square MoFlow™ Suction Outlet Cover with Double-Deep Sump	29



# Index

Part #	Part Description	pg #
<b>Drains CONTINUED</b>		
9MFxxxB	9" Square MoFlow™ Suction Outlet Cover with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	29
9MFxxxD	9" Square MoFlow™ Suction Outlet Cover with 4" Socket Deep PVC Sump	29
9MFxxxF	9" Square MoFlow™ Suction Outlet Cover with 6" Socket Deep PVC Sump	33
9XB	Stainless Steel T-Bar for Spanning 9" Troughs with Bonding Lug	62
A10RCFRxxx	10" Round Star Sumpless Suction Outlet Cover, Universal Adapter Kit and Mud Frame	21
A10RCFRxxx-V	10" Round Star Sumpless Suction Outlet Cover with Universal Adapter Kit for Vinyl	106
A10RCFR2xxx	2-Pack 10" Round Star Sumpless Suction Outlet Covers and Mud Frame without Retrofit Kit	21
A8Rxxx	8" Round Star Anti-Entrapment Suction Outlet Cover, Solid Riser Ring Mud Frame	14
A8RxxxA	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with Double-Deep Sump	15
A8RxxxB	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	15
A8RxxxD	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with 4" Socket Deep PVC Sump	15
A8RxxxF	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with 6" Socket Deep PVC Sump	15
A8RSBACxxx	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with Standard Sump and Adjustable Collar with 1½" NPT and 2" Socket	15
A8RSBxxx	8" Round Star Anti-Entrapment Suction Outlet Cover and Solid Riser Ring with Standard Sump, 1½" NPT and 2" Socket	15
FCxxx	20" Full Circle® Suction Outlet Cover and One-Port Manufactured Sump	46
FC08xxx	20" Full Circle® Center Logo Cap	47
FC09xxx	20" Full Circle® Drain Cover	47
FC20xxx	20" Full Circle® Drain Cover, Center Cap and Screws	47
LP8AVWRxxx	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	16
LP8AVWRxxxA	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Double-Deep Sump	17
LP8AVWRXXXB	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	17
LP8AVWRxxxD	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 4" Socket Deep PVC Sump	17
LP8AVWRxxxF	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 6" Socket Deep PVC Sump	17
LP8SBACWRxxx	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Standard Sump, Adjustable Collar 1½" NPT and 2" Socket	17
LP8SBWRxxx	8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Standard Sump with 1½" NPT and 2" Socket	17
P18xxx	18" Square Mud Frame with Four 9" Square Star Suction Outlet Covers and Vented Riser Rings	43
P18NFxxx	Four 9" Square Star Suction Outlet Covers and Vented Riser Rings for ¾" deep retrofits	43
R8MFxxx	8" Round Retrofit MoFlow™ Suction Outlet Cover with Screw and Bushing Kit	20
R9MFxxx	9" Square Retrofit MoFlow™ Suction Outlet Cover with Screws for 1" deep retrofits	34
R12MFxxx	12" Square Retrofit MoFlow™ Suction Outlet Cover with Screws for 1" deep retrofits	35
R1216FRxxx	Retrofit Adapter Frame for 1" deep 12" square retrofits	41
R18MNFxxx	Four 9" Square MoFlow™ Suction Outlet Covers for 1" deep retrofits	42
R415Txxx	1½" MPT Bulkhead Adapter for 4HPxxx (retrofits HydroAir #30-6906 and #30-6806)	11
R914FRxxx	Retrofit Adapter Frame for 1" deep 9" square retrofits	33
RE415Txxx	1½" MPT Extended Bulkhead Adapter for 4HPxxx (retrofits HydroAir #30-6906 and #30-6806)	11
RNDxxx	6" Bulkhead Adapter with 2" Socket Sumpless Fitting for 6HPHxxx	13
RSUN18HPHxxx	Four 9" Square SUN/8HPH Suction Outlet Covers for ¾" deep retrofits	45
RSUN18HPHRxxx	Four 9" Square SUN/8HPH Suction Outlet Covers for 1" deep retrofits	45
SUN18HPHxxx	18" Square Mud Frame with Four 9" Square SUN/8HPH Suction Outlet Covers	45
TBAR12	12" Perpendicular "T" Bar Deck Grate	63
VBKxxx	Vinyl Builder's Kit	119
WAV12WRxxx	12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	38
WAV12WRxxxA	12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Double-Deep Sump	39
WAV12WRxxxB	12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	39
WAV12WRxxxD	12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 4" Socket Deep PVC Sump	39
WAV12WRxxxF	12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 6" Socket Deep PVC Sump	39

Part #	Part Description	pg #
<b>Drains CONTINUED</b>		
WAV18WRxxx	18" Square Frame with Four 9" Square Wave Anti-Entrapment Suction Outlet Covers and Vented Riser Rings	44
WAV18WRNFxxx	Four 9" Square Wave Anti-Entrapment Suction Outlet Covers and Vented Riser Rings for ¾" deep retrofits	44
WAV24xxx	24" Square Frame with Four 12" Square Wave Anti-Entrapment Suction Outlet Covers	48
WAV24NFxxx	Four 12" Square Wave Anti-Entrapment Suction Outlet Covers for ¾" deep retrofits	48
WAV9WRxxx	9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	30
WAV9WRxxxA	9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Double-Deep Sump	31
WAV9WRxxxB	9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with Dual-Port 2½" Spigot x 2" Socket Deep PVC Sump	31
WAV9WRxxxD	9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 4" Socket Deep PVC Sump	31
WAV9WRxxxF	9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring with 6" Socket Deep PVC Sump	31
<b>SwimDesigns</b>		
F1001-xx	Compass Frame	150
F1002-xx	Angel Fish Frame	148
F1003-xx	Crab Frame	148
F1004-xx	Dog Paw Frame (set of 4)	150
F1005-xx	Fleur de Lis Frame	150
F1006-xx	Lobster Frame	149
F1007-xx	Mermaid Frame	151
F1008-xx	Octopus Frame	149
F1009-xx	Sea Lion Frame	149
F1010-xx	Shark Frame	149
F1011-xx	Shell Frame	151
F1012-xx	Starfish Frame	151
F1013-xx	Stingray Frame	150
F1014-xx	Sun Frame	151
F1015-xx	Dolphin Frame (medium)	148
F1016-xx	Dolphin Frame (large)	148
F1017-xx	Seahorse Frame (medium)	149
F1018-xx	Seahorse Frame (large)	149
F1019-xx	Footprint Frame (small) (set of 2)	149
F1020-xx	Footprint Frame (medium) (set of 2)	149
F1022-xx	Turtle Frame (small)	150
F1023-xx	Turtle Frame (medium)	150
F1024-xx	Turtle Frame (large)	150
F1025-xx	Martini Glass Frame	151
F1026-xx	Palm Tree Frame (small)	151
F1027-xx	Palm Tree Frame (medium)	151
F1028-xx	Sandal Frame (set of 2)	151
F1029-xx	Dolphin Set (1 medium / 1 large)	148
F1030-xx	Turtle Set Frame (1 small / 1 medium / 1 large)	150
F1031-xx	Seahorse Set Frame (1 medium / 1 large)	149
F2001-01	Compass Filled Frame	142
F2002-01	Angel Fish Filled Frame	137
F2003-01	Crab Filled Frame	138
F2004-01	Dog Paw Filled Frame (set of 4)	143
F2005-01	Fleur de Lis Filled Frame	143

# Index

Part #	Part Description	pg #
<b>SwimDesigns CONTINUED</b>		
F2006-01	Lobster Filled Frame	139
F2007-01	Mermaid Filled Frame	146
F2008-01	Octopus Filled Frame	139
F2009-01	Sea Lion Filled Frame	140
F2010-01	Shark Filled Frame	141
F2011-01	Shell Filled Frame	147
F2012-01	Starfish Filled Frame	147
F2013-01	Stingray Filled Frame	141
F2014-01	Sun Filled Frame	146
F2015-01	Dolphin Filled Frame (medium)	138
F2016-01	Dolphin Filled Frame (large)	138
F2017-01	Seahorse Filled Frame (medium)	140
F2018-01	Seahorse Filled Frame (large)	140
F2019-01	Footprint Filled Frame (set of 2 – small)	144
F2020-01	Footprint Filled Frame (set of 2 – medium)	144
F2022-01	Turtle Filled Frame (small)	142
F2023-01	Turtle Filled Frame (medium)	142
F2024-01	Turtle Filled Frame (large)	142
F2025-01	Martini Glass Filled Frame	144
F2026-01	Palm Tree Filled Frame (small)	145
F2027-01	Palm Tree Filled Frame (medium)	145
F2028-01	Sandal Filled Frame (set of 2)	145
F2029-01	Dolphin Set Filled Frames (1 medium / 1 large)	138
F2030-01	Turtle Set Filled Frames (1 small / 1 medium / 1 large)	142
F2031-01	Seahorse Set Filled Frames (1 medium / 1 large)	140
SPF1001-01	Compass Flexible PVC Frame	150
SPF1002-01	Angel Fish Flexible PVC Frame	148
SPF1003-01	Crab Flexible PVC Frame	148
SPF1004-01	Dog Paw Flexible PVC Frame (set of 4)	150
SPF1005-01	Fleur de Lis Flexible PVC Frame	150
SPF1006-01	Lobster Flexible PVC Frame	149
SPF1007-01	Mermaid Flexible PVC Frame	151
SPF1008-01	Octopus Flexible PVC Frame	149
SPF1009-01	Sea Lion Flexible PVC Frame	149
SPF1010-01	Shark Flexible PVC Frame	149
SPF1011-01	Shell Flexible PVC Frame	151
SPF1012-01	Starfish Flexible PVC Frame	151
SPF1013-01	Stingray Flexible PVC Frame	150
SPF1014-01	Sun Flexible PVC Frame	151
SPF1015-01	Dolphin Flexible PVC Frame (medium)	148
SPF1016-01	Dolphin Flexible PVC Frame (large)	148
SPF1017-01	Seahorse Flexible PVC Frame (medium)	149
SPF1018-01	Seahorse Flexible PVC Frame (large)	149
SPF1019-01	Footprint Frame Flexible PVC Frame (small)	149
SPF1020-01	Footprint Frame Flexible PVC Frame (medium)	149
SPF1022-01	Turtle Flexible PVC Frame (small)	150

Part #	Part Description	pg #
<b>SwimDesigns CONTINUED</b>		
SPF1023-01	Turtle Flexible PVC Frame (medium)	150
SPF1024-01	Turtle Flexible PVC Frame (large)	150
SPF1025-01	Martini Glass Flexible PVC Frame	151
SPF1026-01	Palm Tree Flexible PVC Frame (small)	151
SPF1027-01	Palm Tree Flexible PVC Frame (medium)	151
SPF1028-01	Sandal Flexible PVC Frame (set of 2)	151
SPF1029-01	Dolphin Set Flexible PVC Frame (1 medium / 1 large)	148
SPF1030-01	Turtle Set Flexible PVC Frame (1 small / 1 medium / 1 large)	150
SPF1031-01	Seahorse Set Flexible PVC Frame (1 medium / 1 large)	149
<b>Fittings</b>		
1020Fxxx	Large Extended 2" Return Fitting with Gasket/Nut for Vinyl or Steel	180
1020TSxxx	Large Extended 2" Return Fitting with Locking Nut Fiberglass	120
20GASKET	2" Gasket for Vinyl, Fiberglass or Stainless Steel Installations	120
25GASKET	2½" Gasket for Vinyl, Fiberglass or Stainless Steel Installations	120
20NUT101	2" Locking Nut for Vinyl, Fiberglass or Stainless Steel Installations	121
25NUT101	2½" Locking Nut for Vinyl, Fiberglass or Stainless Steel Installations	121
3xx	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits 1" or 1½" Pipe)	66
3xxB	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits 1" or 1½" Pipe) with ¾" Orifice	66
3xxC	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits 1" or 1½" Pipe) with ½" Orifice	66
3xxD	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits 1" or 1½" Pipe) with Slotted Orifice	66
32xx	Vacuum Fitting with Water Stop (Fits Outside 1½" Pipe)	66
33xx	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Inside 2" Pipe) with 1" Orifice	66
33xxB	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Inside 2" Pipe) with ¾" Orifice	66
33xxC	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Inside 2" Pipe) with ½" Orifice	66
33xxD	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Inside 2" Pipe) with Slotted Orifice	66
35xx	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Over 2" Pipe) with 1" Orifice	67
35xxB	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Over 2" Pipe) with ¾" Orifice	67
35xxC	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Over 2" Pipe) with ½" Orifice	67
35xxD	Flush-Mount Return Fitting with Water Stop, Eyeball and Nut (Fits Over 2" Pipe) with Slotted Orifice	67
36xx	Light Niche/Return Fitting (Fits Over 1½" Pipe)	67
4xx	Australian Return Fitting with Adjustable Eyeball 1½" Knock-In	67
4xxB	Australian Return Fitting with Adjustable Eyeball 1½" Knock-In with ¾" Orifice	67
4xxC	Australian Return Fitting with Adjustable Eyeball 1½" Knock-In with ½" Orifice	67
4DIVxxx	4" Adjustable Floor Return Fitting with Water Stop	68
41xx	Three-Piece Directional Eyeball Fitting 1½" Knock-In / 1" Orifice	67
42xx	Directional Eyeball Fitting, Three-Piece 1½" Knock-In with ¾" Orifice	67
43xx	Directional Eyeball Fitting, Three-Piece 1½" Knock-In with ½" Orifice	67
44xx	Directional Eyeball Fitting, Three-Piece 1½" Knock-In with Slotted Orifice	67
5xx	Australian Return Fitting with Adjustable Eyeball 1" Knock-In	68
5xxB	Australian Return Fitting with Adjustable Eyeball 1" Knock-In with ¾" Orifice	68
5xxC	Australian Return Fitting with Adjustable Eyeball 1" Knock-In with ½" Orifice	68
51xx	Three-Piece Directional Eyeball Fitting 1" Knock-In with Flange / 1" Orifice	68
52xx	Three-Piece Directional Eyeball Fitting 1" Knock-In with Flange / ¾" Orifice	68
53xx	Three-Piece Directional Eyeball Fitting 1" Knock-In with Flange / ½" Orifice	68

# Index

Part #	Part Description	pg #
<b>Fittings CONTINUED</b>		
54xx	Three-Piece Directional Eyeball Fitting 1" Knock-In with Flange/Slotted Orifice	68
6xx	Rope Anchor	68
61xx	Directional Eyeball Fitting, Three-Piece 2" Knock-In with 1" Orifice	69
62xx	Directional Eyeball Fitting, Three-Piece 2" Knock-In with 3/4" Orifice	69
63xx	Directional Eyeball Fitting, Three-Piece 2" Knock-In with 1/2" Orifice	69
64xx	Directional Eyeball Fitting, Three-Piece 2" Knock-In with Slotted Orifice	69
7xx	Pool Wall Step/Set of Three	69
81xx	Directional Eyeball Fitting Three-Piece 1 1/2" MPT with 1" Orifice	69
82xx	Directional Eyeball Fitting Three-Piece 1 1/2" MPT with 3/4" Orifice	69
83xx	Directional Eyeball Fitting Three-Piece 1 1/2" MPT with 1/2" Orifice	69
84xx	Directional Eyeball Fitting Three-Piece 1 1/2" MPT with Slotted Orifice	69
8SBP1xx	2" Tapered Pipe Thread Plug	70
ASDxxx	1/2" Extender with Eyeball and Nut 1 1/2" MPT with 1" Orifice	70
ASDxxxB	1/2" Extender with Eyeball and Nut 1 1/2" MPT with 1/2" Orifice	70
ASDxxxC	1/2" Extender with Eyeball and Nut 1 1/2" MPT with 3/4" Orifice	70
ASDxxxD	1/2" Extender with Eyeball and Nut 1 1/2" MPT with Slotted Orifice	70
AWAxxx	Angle Wall Adapter for Fiberglass (Set of Two)	122
BC2000-1.5	1 1/2" Water Stop with Screw-In Cap and O-Ring	71
BC2000-2	2" Water Stop with Screw-In Cap and O-Ring	71
BC2000-2.5	2 1/2" Water Stop with Screw-In Cap and O-Ring	71
BCR2000-3	3" Water Stop with Screw-In Cap and O-Ring	71
BFB101	4" S x 4" S x 2 1/2" S x 2 1/2" S Horizontal T with 4" x 3" Reducer Bushings	71
BPxxx	Bubbler Plate	71
BSASDxxx	1/2" Extender with Eyeball and Nut 1 1/2" MPT (Fits SwimQuip # 8429-14) 1" Orifice	70
BSASDxxxB	1/2" Extender with Eyeball and Nut 1 1/2" MPT (Fits SwimQuip # 8429-14) 3/4" Orifice	70
BSASDxxxC	1/2" Extender with Eyeball and Nut 1 1/2" MPT (Fits SwimQuip # 8429-14) 1/2" Orifice	70
BSASDxxxD	1/2" Extender with Eyeball and Nut 1 1/2" MPT (Fits SwimQuip # 8429-14) Slotted Orifice	70
BU101-2x1.5	Bushing to convert 2" to 1 1/2"	71
BU101-4x3	Bushing to convert 4" to 3"	72
CFMxxx	1 1/2" Safety Grate Insert (for Use on Fittings Only) 1 1/2" MPT	72
CM6xx	Commercial Rope Anchor with Stainless Steel Pin	69
CSxxx-1.5	1 1/2" Winterizing Cap with O-ring	72
CSxxx-2	2" Winterizing Cap with O-ring	72
CSxxx-2.5	2 1/2" Winterizing Cap with O-ring	72
CSxxx-3	3" Winterizing Cap with O-ring	72
DCxxx	Decorative Cover with 1" Orifice	72
DCxxxB	Decorative Cover with 3/4" Orifice	72
DCxxxC	Decorative Cover with 1/2" Orifice	72
DCxxxD	Decorative Cover with Slotted Orifice	72
DIV0xxx	Floor Return Diverter Plate Only	68
ENxxx	Standard Eyeball and Nut Replacement with 1" Orifice	73
ENBxxx	Standard Eyeball and Nut Replacement with 3/4" Orifice	73
ENCxxx	Standard Eyeball and Nut Replacement with 1/2" Orifice	73
ENDxxx	Standard Eyeball and Nut Replacement with Slotted Orifice	73
ES1022xx	Large Wall Fitting with Threaded O.D. (Fits 1 1/2" Pipe)	74
ES1022Vxx	Large Wall Fitting with Threaded O.D. (Fits 1 1/2" Pipe) with Lock Nut and Gasket For Fiberglass/Vinyl	121

Part #	Part Description	pg #
<b>Fittings CONTINUED</b>		
ES1022WBxx	Large Wall Fitting with Water Stop (Fits 1½" Pipe)	74
ES1408xx	4-Screw Vinyl Fitting	121
ES1408SLxx	4-Screw Vinyl Fitting with 1½" Socket	121
EVT101	Extended Venturi Tee for Gunite with Removable Jet, 1½" x 1½" x 1"	74
GDDLxx	2 x 4 Gutter Deck Drain Grate only with Screws	74
GDDxx	2 x 4 Gutter Deck Drain (Fits 2" Pipe)	74
HVxx	2" Hydrostatic Relief Valve	75
HVCxx	Self-Contained Hydrostatic Valve Assembly	75
JE31xx	Flush-Mount Return Fitting with Water Stop (Fits Outside 1½" Pipe) with 1" Orifice	66
JE31xxB	Flush-Mount Return Fitting with Water Stop (Fits Outside 1½" Pipe) with ¾" Orifice	66
JE31xxC	Flush-Mount Return Fitting with Water Stop (Fits Outside 1½" Pipe) with ½" Orifice	66
JE31xxD	Flush-Mount Return Fitting with Water Stop (Fits Outside 1½" Pipe) with Slotted Orifice	66
JBRxx	Junction Box with Round Lid	75
JBSxx	Junction Box with Square Lid	75
JMCP109	1½" Cap For Plastering With Magnet Finding Metal Insert	76
JMCP109-2	2" Cap For Plastering With Magnet Finding Metal Insert	76
JOxx	Flush Retrofit Eyeball	76
MPxx	½" Extender with Three-Piece Decorative Cover and Plaster Cap with 1" Orifice	76
MPxxB	½" Extender with Three-Piece Decorative Cover and Plaster Cap with ¾" Orifice	76
MPxxC	½" Extender with Three-Piece Decorative Cover and Plaster Cap with ½" Orifice	76
MPxxD	½" Extender with Three-Piece Decorative Cover and Plaster Cap with Slotted Orifice	76
PE15101	Pipe Extender (2")	76
PE20101	Pipe Extender (1½")	76
PTK	Pressure Test and Winterizing Kit for 4" and 6" Sumps	77
SL81xx	Three-Piece Directional Eyeball Fitting 1½" Slip Insider with 1" Orifice	70
SL82xx	Three-Piece Directional Eyeball Fitting 1½" Slip Insider with ¾" Orifice	70
SL83xx	Three-Piece Directional Eyeball Fitting 1½" Slip Insider with ½" Orifice	70
SL84xx	Three-Piece Directional Eyeball Fitting 1½" Slip Insider with Slotted Orifice	70
SMUSxx	5" Umbrella Stand with Sleeve and Center Cap	79
SSxx	Shell Wall Step (Set of Three)	77
SWA101	1½" S x 1½" SPG 90-Degree Sweep Ell	77
SWB101	1½" S x 1½" S 90-Degree Sweep Ell	77
SWC101	2" S x 2" SPG 90-Degree Sweep Ell	77
SWD101	2" S x 2" S 90-Degree Sweep Ell	77
TMxx	1" Orifice Straight Flow Insert with 1½" MPT	78
TSxx	Therapeutic Spinner 1½" MPT	78
UNHT20	2" High Temperature Union	78
UN20S	2" Union with 2" Socket x 2" Socket	78
UN20MS	2" Union with 2" Socket x 2" Spigot	79
USxx	7½" Umbrella Stand with Sleeve and Center Cap	79
USCGxx	Umbrella Stand Cap Only with Gasket Seal	79
WJxx	Wall/Deck Spout (Gunite)	80
WJFxx	Wall/Deck Spout (Fiberglass)	80
WS1001	2" Waterstop	80
WS1101	2½" Waterstop	80

# Index

Part #	Part Description	pg #
<b>Fittings CONTINUED</b>		
WS1201	3" Waterstop	80
WS801	1" Waterstop	80
WS901	1½" Waterstop	80
<b>AquaThunder® Spa Jets</b>		
ATBxxx	AquaThunder Jet Barrel	85
ATBxxxxA-7	WaveJet™ Jet Barrel with Rubber Over-Mold	86
ATBTSxxx	AquaThunder Jet Barrel with Therapeutic Spinner	85
ATBTSxxxxA-7	WaveJet™ Jet Barrel with Therapeutic Spinner with Rubber Over-Mold	86
ATFxxx	AquaThunder Jet Fitting with Flange	82
ATGxxx	2½" Gunite Jet Body Assembly	83
ATG2xx	2½" Gunite Jet Body Assembly without niche	83
ATGB3xx	AquaThunder Rotational Jet Barrel (Single)	85
ATGB4xx	AquaThunder Rotational Jet Barrel (Double)	85
ATGB3xxxxA-7	WaveJet™ Rotational Single Jet Barrel with Rubber Over-Mold	86
ATGB4xxxxA-7	WaveJet™ Rotational Double Jet Barrel with Rubber Over-Mold	86
ATGB5xxxxA-7	WaveJet™ Massage Jet Barrel with Rubber Over-Mold	86
ATGB5xx	AquaThunder Massage Jet Barrel	85
ATH101	AquaThunder Jet Housing	82
AT127101	AquaThunder 2½" Gunite Jet Housing	84
AT128xxx	AquaThunder Gunite Jet Niche	84
AT129xxx	AquaThunder Retainer Ring	84
AT130xxx	AquaThunder Wall Fitting	84
<b>Skimmers, Skimmer Accessories, Skimmer Parts and Water Levelers</b>		
AFBxxx	FillStar™ Water Level Control System for Pools and Spas	102
AFBNLxxx	FillStar™ Water Level Control System without lid and collar	102
AFBV	FillStar™ Float	102
RTxxx	Round Skimmer Lid (Fits Sta-Rite Size Skimmers)	96
RTxxxA	Round Skimmer Lid (Fits Sta-Rite Size Skimmers) with Custom Name	96
SKRTxxx	Round Skimmer Lid and Collar	96
SKRTxxxA	Round Skimmer Lid and Collar with Custom Name	96
SECxxx	3" Skimmer Extension Collar	95
SK43101	Vacuum Plate	96
SK5xxx	Adjustable Round Skimmer Collar	96
SK6	Skimmer Basket	95
SK61xxx	Square Skimmer Collar	96
SK63xxx	Square Skimmer Lid	96
SK63xxxA	Square Skimmer Lid with optional custom name/logo insert	96
SK64xxx	Square Skimmer Lid and Collar	97
SK64xxxA	Square Skimmer Lid and Collar with optional custom name/logo insert	97
SK65xxx	Round/Square Snap-in Lid and Collar	97
SK65xxxA	Round/Square Snap-in Lid and Collar with optional custom name/logo insert	97
SK902	Skimmer Weir Clip (Set of Two)	95
SKFL101	Skimmer Float Assembly	95
SKRFFL3Nxxx	Skimmer with Narrow 9" Deep Throat, Float Assembly, Collar and Lid for Fiberglass (Dual Bottom Port 2½" Spigot x 2" Socket)	116

Part #	Part Description	pg #
<b>Skimmers, Skimmer Accessories and Skimmer Parts</b> CONTINUED		
SKRFL12xxx	Skimmer with 5" Deep Throat, Float Assembly, Basket, Round Lid, Adjustable Collar for Fiberglass (Dual Bottom Port 2½" Spigot x 2" Socket)	117
SKRFL12xxxD	Skimmer with 5" Deep Throat, Float Assembly, Basket, Round Lid, Adjustable Collar for Fiberglass (Single Bottom Port 4" Socket)	118
SKRFL12xxxF	Skimmer with 5" Deep Throat, Float Assembly, Basket, Round Lid, Adjustable Collar for Fiberglass (Single Bottom Port 6" Socket)	118
SKR1xx	Standard Skimmer with Water Stop Face, Float Assembly, Basket, Lid and Adjustable Collar (Dual Bottom Port 2½" Spigot x 2" Socket)	88
SKR1xx-OZ	Skimmer with Water Stop Face, Float Assembly, Basket, Lid, Adjustable Collar, Ozone Port (Dual Bottom Port 2½" Spigot x 2" Socket)	93
SKR1xx with BFB	Adaptor Bushing	95
SKRFL12NL101	Skimmer with 5" Deep Throat, Float Assembly and Basket for Fiberglass (Dual Bottom Port 2½" Spigot x 2" Socket)	88
SKR1xxD	Standard Skimmer with Float Assembly and Adjustable Collar (Single Bottom Port 4" Socket)	94
SKR1xxF	Standard Skimmer with Float Assembly and Adjustable Collar (Single Bottom Port 6" Socket)	94
SKR1NL101	Standard Skimmer with Water Stop Face, Float Assembly and Basket (Dual Bottom Port 2½" Spigot x 2" Socket)	88
SKR14xxx	Flow Star® Skimmer with Flush Face 4" Extension, Float Assembly, Basket, Lid and Collar	90
SKR15xxx	Flow Star® Water Bonded Skimmer with Water Stop Face, Float Assembly, Basket, Lid, Adjustable Collar	91
SKR17xxx	Flow Star® Water Bonded Skimmer with Flush Face, Float Assembly, Basket, Lid, Adjustable Collar	92
SKR2xx	Standard Skimmer with Flush Face, Float Assembly, Basket, Lid and Adjustable Collar (Dual Bottom Port 2½" Spigot x 2" Socket)	89
SKR2xxD	Standard Skimmer with Flush Face, Float Assembly, Basket, Collar and Lid (Single Bottom Port 4" Socket)	94
SKR2xxF	Standard Skimmer with Flush Face, Float Assembly, Basket, Collar and Lid (Single Bottom Port 6" Socket)	94
SKR2NL101	Standard Skimmer with Flush Face, Float Assembly and Basket (Dual Bottom Port 2½" Spigot x 2" Socket)	89
SKRVFL3Nxxx	Skimmer with Narrow 9" Deep Throat, Float Assembly, Collar and Lid for Vinyl (Dual Bottom Port 2½" Spigot x 2" Socket)	116
SKRVFL3NxxxD	Skimmer with Narrow 9" Deep Throat, Float Assembly, Collar and Lid for Vinyl (Single Bottom Port 4" Socket)	118
SKRVFL3NxxxF	Skimmer with Narrow 9" Deep Throat, Float Assembly, Collar and Lid for Vinyl (Single Bottom Port 6" Socket)	118
SKRFFL3NNL01	Skimmer with Narrow 9" Deep Throat, Float and Assembly for Fiberglass (Dual Bottom Port 2½" Spigot x 2" Socket)	116
SKRVFL3NNL01	Skimmer with Narrow 9" Deep Throat, Float and Assembly for Vinyl (Dual Bottom Port 2½" Spigot x 2" Socket)	116
SKWDxxx	Weir Plate Assembly for Standard and Vinyl/Fiberglass Skimmers	95
SKZ101xxx	ZarStar™ Skimmer with Large Basket, Filter Bag, Adjustable Collar, Round Lid and Ozonator Ports	98
SKZ102xxx	ZarStar™ Skimmer with Large Basket, Filter Bag, Adjustable Collar and Round Lid	98
SKZ111xxx	ZarStar™ Drain/Vacuum Pre-Filter with Large Basket, Filter Bag, Adjustable Collar and Round Lid	99
SKZ112xxx	Weir Plate Assembly for ZarStar™ Skimmers	97
SKZ214	Large Basket for ZarStar™ Skimmer and Pre-Filter	97
SKZ216	Filter Bag for ZarStar™ Skimmer and Pre-Filter	97
SKZ217	Basket Adapter for ZarStar Pre-Filter	97
SKZ218	Filter Lock-Down Ring for ZarStar™ Skimmer	97
SKZ219	Vacuum Thread Adapter for ZarStar™ Skimmer and Pre-Filter	97
<b>Pool Cleaners</b>		
GV14	14" Gyro Vac	125
GV22	22" Gyro Vac	125
SZTxxxx-H	StarzTruck® Automatic Suction Pool Cleaner for Concrete Pools	124
SZTVxxxx-H	StarzTruck® Automatic Suction Pool Cleaner for Vinyl/Fiberglass Pools	124
SZTxxx	StarzTruck® Pool Cleaner Only (no hoses) for Concrete Pools	124
SZTVxxx	StarzTruck® Pool Cleaner Only (no hoses) for Vinyl/Fiberglass Pools	124
<b>ChemStar™ Chemical Feeders and Chlorinator Replacement Parts</b>		
CH100	In-line Chlorinator	128
CH100CLR	Clear ChemStar Inline Chlorinator	130
CH1004	3" Threaded Cap for CH100 / CH200 (Replaces R172008W)	174



# Index

Part #	Part Description	pg #
<b>ChemStar™ Chemical Feeders and Chlorinator Replacement Parts</b> CONTINUED		
CH1005	Diverter Tee for CH100 (Replaces R172317)	175
CH1009	3" O-Ring for CH100 / CH200 (Replaces R172009)	174
CH1010	Check Valve for CH100 (Replaces R172248)	175
CH1015	½" MPT PVC Plug for CH100 (Replaces R172134)	174
CH1016	2" x 1½" SxS Bushing for CH100 (Replaces R172210)	175
CH1017	½" 90 NPT x Tube Fitting with Nut for CH100 (Replaces R172272)	175
CH1018	½" x Short MPT Nipple for CH100 (Replaces R172256)	175
CH1019	½" Chlorine Control Valve for CH100 (Replaces R172086)	175
CH1026	⅝" OD Short Feeder Tube for CH100 (Replaces R172091)	175
CH1027	Tube Support Spring for CH100 (Replaces R171097)	175
CH1029	Screen for CH100 / CH200 (Replaces R172255)	174
CH1030	½" Bromine Standpipe Adapter for CH100 (Replaces R172048B)	174
CH1031	⅝" OD 18" Tube (optional top feed) for CH100 (Replaces R172253)	174
CH1036	#8 x ½" Large Slotted Hex Head Lock Screw for CH100 (Replaces R01052)	174
CH1048	Silicone Lubricant for CH100 / CH200 (Replaces R172036)	174
CH1056	Saddle Tube Fitting for CH200 (Replaces R172262)	176
CH1057	Saddle Gasket for CH200 (Replaces R172263)	176
CH1065	¼" Chlorine Valve for CH200 (replaces R172060)	176
CH1066	Saddle Clamp for CH200 (Replaces R172264)	176
CH1074	¾" OD x ¼" ID Tubing 8' for CH200 (Replaces R172023)	176
CH1075	Parts Bag for CH200 (Replaces R172064)	176
CH200	Offline Chlorinator	129
CH200CLR	Clear ChemStar Offline Chlorinator	131
OZG2008	1/4" Barbed Tee	132
OZG4016	Ozone Compatible ¼" Tubing	132
OZG4017	Ozone Diffuser Stone	132
U1000	Ultimate Ozone™ 1000	132
U2000	Ultimate Ozone™ 2000	132
<b>Pool Cleaner Parts</b>		
HWN110	Pod Screw Kit: Two Hex Headscrews, Two Washers (replaces AXV015P)	158
HWN111	Pod Plugs – Six Pack (replaces AXV016P)	159
HWN112	Turbine Bearings – Two Pack (replaces AXV055P)	160
HWN113	Turbine Kit: Turbine and Two Turbine Bearings (replaces AXV602P/112P)	162
HWN114	Pod Shoes: Vinyl and Fiberglass – Four Pack (replaces AXV413P)	159
HWN115	Pod Shoes: Concrete – Four Pack (replaces AXV414P)	159
HWN116xx	Pod Kit: Left and Right Pods, Plugs, Screws, Washers (replaces AXV417WHP)	159
HWN117xx	Wing Kit: Left and Right Wings – Six Pack (replaces AXV016P)	159
HWN118	Universal A-Frame Kit (replaces AXV621D)	162
HWN119	A-Frame and Turbine Kit (replaces AXV621DAT)	162
HWN120	A-Frame Bushing and Saddle Kit (replaces AXV699P)	163
HWN121xx	Top Shell (replaces AXV411LG)	156
HWN122	Cone Gear (replaces AXV070)	156

# Index

Part #	Part Description	pg #
<b>Pool Cleaner Parts CONTINUED</b>		
HWN123	Intermediate Gear (replaces AXV301)	156
HWN124	Intermediate Gear Shaft (replaces AXV309)	156
HWN125	Spindle Gear Screw (replaces AXV068)	156
HWN126	Spindle Gear (replaces AXV303)	156
HWN127	Spindle Gear Bushing (replaces AXV066A)	156
HWN128	Cone Gear Bushing (replaces AXV306)	156
HWN129	Upper Middle Body (replaces AXV060WH)	157
HWN130	Upper Body Screw Kit – Six Pack (replaces AXV065P)	157
HWN131	Medium Turbine Drive Gear (replaces AXV064A)	157
HWN132	Medium Turbine (replaces AXV062C)	157
HWN133	Medium Turbine Case with Axle (replaces AXV009)	157
HWN134	Gear Box Assembly (replaces AXV408P)	157
HWN135xx	Rear Screen (replaces AXV051AWH)	157
HWN136	Float Kit – Two Pack (replaces AXV054P)	157
HWN137	Lower Middle Body (replaces AXV050CHW)	158
HWN138xx	Bumper (replaces AXV605WHP)	158
HWN139	Middle Body Screw – Six Pack (replaces AXV057P)	158
HWN140	Lower Body Screw – Four Pack (replaces AXV313)	158
HWN141	Flap Adjuster (replaces AXV031B)	158
HWN142xx	Lower Body (replaces AXV230DBKXWH)	158
HWN143xx	Flap Kit: Front and Rear Flaps and Springs (replaces AXV434BKP)	158
HWN148	Captive Screw / Retaining Clip (replaces AXV314P)	159
HWN149xx	Fixed Access Cover Assembly for Concrete Models (replaces AXV603)	159
HWN149Vxx	Fixed Access Cover Assembly for Vinyl Models (replaces AXV603A)	159
HWN152	Skimmer Cone (replaces AXV093CP)	160
HWN153	Flow Gauge (replaces AXV574P)	161
HWN154	Medium Turbine/Spindle Gear Kit (replaces AXV079VP)	163
HWN158	Hose Connector (replaces AXV092)	161
HWN160xx	Propulsion/Conversion Kit (replaces AXV622DPK)	163
HWN161	Regulator Valve (replaces V094P)	160
HWN162	Leaf Canister (replaces W560)	160
HWN163xx	Wing Kit and Pod Shoes (replaces AXV414604)	161
HWN164xx	Pod Kit and A-Frame Kit (replaces AXV621417)	163
HWN279	Lid for Leaf Canister (replaces AXW533A)	160
HWN280	Basket for Leaf Canister (replaces AXV431A)	160
HWN281	Lock Ring for Leaf Canister (replaces AXW532)	160
HWN282	O-Ring for Leaf Canister (replaces AXW542)	160
P1001	Drive Shaft, Assembled (replaces C-86)	170
P1002	Ball Bearings, Turbine (replaces C-80)	169
P1004	Large Axle with Washer and Sand Guard (replaces C-66)	166
P1005	Ball Bearings and Wheels (replaces C-60)	167
P1009	Water Management System (replaces K-25)	169
P1017	Frame (replaces K-145)	169

# Index

Part #	Part Description	pg #
<b>Pool Cleaner Parts CONTINUED</b>		
P1032	Vacuum Tube (replaces K-20)	166
P1035	Thrust Jet Kit (replaces C-131)	168
P1036	Swing Axle Kit (replaces C-36)	169
P2003	Turbine Shaft Seal (replaces A-40)	169
P2012	Wheel (replaces C-6)	168
P2013	Wheel Washer (replaces C-64)	167
P2014	Wheel Screw (replaces C-55)	167
P2015	Tire (replaces C-10)	167
P2016	Axle Plate (replaces C-70)	167
P2017	Rear Wheel Axle and Washer (replaces C-65)	168
P2022	Small Idler Wheel (replaces C-16)	168
P2031	All-Purpose Bag / Sand/Silt Bag / Leaf Bag (replaces C-40)	166
P2035	4-40 x 3/16" SS Pan Head Screw (replaces C-30)	168
P2036	6-32 x 1/2" SS Pan Head Screw (replaces C-32)	168
P2037	Spring (replaces C-25)	169
P2038	Lock Washer (replaces C-45)	167
P2042	10-32 x 7/8" SS Pan Head Screw (replaces C-76)	166
P2043	Adjustment Screw for Sweep Hose (replaces B-20)	166
P2046	Turbine Cover with Elbow (replaces C-110)	170
P2048	Feed Pipe (replaces K-30)	166
SSC100	Complete Rebuild Kit (replaces A-49)	170
SZTHLxx	4-Foot Leader Hose (replaces V532)	161
SZTHxx	4-Foot Regular Hose (replaces V109)	161
VLK15Txx	Safety Vacuum Lock Wall Fitting – 1 1/2" NPT (replaces W4008WHP)	161
VLK20Txx	Safety Vacuum Lock Wall Fitting – 2" NPT (replaces W4008WHP)	161
<b>ProStar Miscellaneous Replacement Parts</b>		
BIK4	Brass Inserts with Stainless Steel Screws for suction outlet retrofits	171
FC16102	T-Wrench	171
HWPL100	Pump Strainer Cover, Thread Style (replaces SPX3100D)	171
SCW1001	Screw Kit for LP8AVWRxxx, 10LTxxx, 10AVRxxx	177
SCW1002	Screw Kit for 32CDFLFRxxx, 32CDAVFRxxx	177
SCW1003	Screw Kit for WAV18WRxxx, P18xxx	177
SCW1004	Screw Kit for 32CDPHxxx, 32CDPHFRxxx	177
SCW1006	Screw Kit for 32CDPHVxxx	177
SCW1007	Screw Kit for 32CDPHFGxxx	177
SCW1008	Screw Kit for WAV9WRxxx, WAV12WRxxx	177
SCW1009	Screw Kit for GDDxxx	177
SCW1010	Screw Kit for R9MFxxx, R12MFxxx	177
SCW1012	Screw Kit for 32CDLTxxx, 32CDLTFRxxx	177
SCW1013	Screw Kit for 32CDAVxxx, 32CDLVxxx	177
SCW1014	Screw Kit for 32CDLTVxxx	177
SCW1016	Screw Kit for SUN18HPHxxx, RSUN18HPHxxx	177

Part #	Part Description	pg #
<b>ProStar Miscellaneous Replacement Parts CONTINUED</b>		
SCW1017	Screw Kit for SKRFL12xxx	177
SCW1018	Screw Kit for RSUN18HPRxxx	177
SCW1019	Screw Kit for FCxxx	177
SCW1020	Screw Kit for 32PDxxx	177
SCW1021	Screw Kit for WAV24xxx, 24xxx	177
SCW1022	Screw Kit for SKRV3Nxxx	177
SCW1023	Screw Kit for 1216xxx, 914xxx	177
SCW1024	Screw Kit for SKRF3Nxxx	177
SCW1025	Screw Kit for A10RCFR2xxx	177
SCW1026	Screw Kit for RNDxxx	177
SCW1027	Screw Kit for 4DIVxxx	177
SCW1029	Screw Kit for 6HPHxxx	177
SCW1030	Screw Kit for 4HPxxx	177
SCW1032	Screw Kit for A10RCFRxxx, A10RCFRxxx-V	177
SCW1035	Screw Kit for R8MFxxx	177
SCW1042	Screw Kit for 9MFxxx, 12MFxxx	177
SCW1043	Screw Kit for 32CDLTFGxxx	177
SCW1045	Screw Kit for A8Rxxx	177
SCW1046	Screw Kit for 32CDLxxx, 32CDAVxxx, PS109xxx	177
SCW1047	Screw Kit for 8MFxxx, 10MFxxx	177
SCW1048	Screw Kit for 18MFxxx	177
VSJW102	Socket and Jet Removal Tool for most major brand return fittings	171



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