



Certified to
NSF/ANSI/CAN 50
ANSI/APSP/ICC-16 2017

AQUASTAR[®]
pool products



INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTIONS

PERFECT CIRCLE[®]

Model # PCxxx



U.S. patents 9,540,837, 9,869,103, 10,465,404, 10,323,429, 10,745,926, 10,214,930, D700,299, D701,293

When installing and using this equipment, basic safety precautions shall always be followed, including the following:

IMPORTANT SAFETY INSTRUCTIONS READ, FOLLOW, AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS

Any modification that increases the flow rate of the circulation system shall require re-evaluation of the cover/grate and sump to ensure that the flow rating of the Suction Outlet Fitting Assembly (SOFA) is not exceeded.

Missing, broken, or cracked cover/grates, sumps, mud-frames, or any other SOFA component shall be replaced before bathers are allowed to use the pool.

Loose cover/grates shall be reattached before bathers are allowed to use the pool.

SAVE THESE INSTRUCTIONS

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A Safe Drain is No Accident™





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NSF/ANSI/CAN 50
ANSI/APSP/ICC-16 2017



PERFECT CIRCLE® SUCTION OUTLET FITTING ASSEMBLY (SOFA) INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTIONS

FOR MODEL: PCxxx (xxx = COLOR SUFFIX), MEETS OR EXCEEDS ANSI/APSP/ICC-16 2017
U.S. patents 9,540,837, 9,869,103, 10,465,404, 10,323,429, 10,745,926, 10,214,930, D700,299, D701,293

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Loose cover/grates shall be reattached before bathers are allowed to use the pool.

SAVE THESE INSTRUCTIONS

USER INSTRUCTIONS

WARNING! RISK OF SUCTION ENTRAPMENT. Keep drain covers/grates free from debris. Using a pool while drain covers are partially or fully blocked by debris can interfere with important product safety features.

The installation-specific flow rating should be noted by the installer on the attached VGBA DRAIN COVER IDENTIFICATION INFORMATION labels attached to these instructions.

SOFA MODEL SPECIFIC FLOW RATES AND NSF ANSI/APSP/ICC-16 2017 CERTIFICATION DOCUMENTATION



MODEL # PCxxx

FOR PRODUCT CERTIFICATION AND FLOW RATINGS
SCAN THE QR CODE OR VISIT
WWW.AQUASTARPOOLPRODUCTS.COM/FLOWCODE



DO NOT EXCEED CONFIGURATION-SPECIFIC FLOW RATINGS ANY TIME THE POOL IS OPEN TO BATHERS. Failure to do so can result in serious injury or death.

SERVICE LIFE

Replace cover, vented baffles, and fasteners within five years.

If the cover or vented baffles become brittle, show significant color change, or are damaged in any way, remove and replace them as it may indicate that they have reached the end of their service life. Replace sump within thirty years or if damaged. Cover and all other SOFA components shall be replaced at or before the end of their service life.

Service life begins the month and year in which a SOFA component is installed with or without water. This information should be noted by the installer on the attached VGBA DRAIN COVER IDENTIFICATION INFORMATION labels attached to these instructions.

INSTALLATION REQUIREMENTS

All SOFAs shall be installed in accordance with AquaStar's installation instructions and specifications. Only use pipe sizes, pipe connections, and flow rates authorized by the product specifications and these instructions.

For pipe size-specific flow ratings, please use the QR code or link listed above to look up the SOFA configuration specific certification and flow rating. Please fill out the VGBA DRAIN COVER IDENTIFICATION INFORMATION labels that are included with these instructions. Permanently post one copy as near as feasible to the pump control and provide the second copy of this information to the pool owner to be kept with other important pool-related documents and these instructions.

NOTICE! The Perfect Circle drain cover/grate (PC-Cxxx) is only authorized for use with the Perfect Circle PVC AquaStar manufactured sump (PC-SBxxx). The Perfect Circle cover/grate is not certified for use with any other sump.

DESIGN AND CONSTRUCTION. Cover/grates marked unblockable are permitted for use in a single SOFA system and multiple SOFA systems. This product is designated as an unblockable drain in accordance with the ANSI/APSP/ICC-16 2017.

The flow rating for pools with single, or multiple unblockable SOFAs shall be determined by combining the flow rating of all SOFAs piped together in one body of water.

Select and install a SOFA or combination of SOFAs, such that the resulting individual suction system flow rating is greater than the single pump or multiple pump SOFA configuration's maximum system flow rate.

Skimmers, gutters, and other overflow systems may not always be operational and could divert all the pump(s) flow through the SOFA suction system, therefore the flow capacity of these systems shall not be included when evaluating an individual suction system flow rating.

SOFAs shall not be located on seats or the backrests for seats. **This product is certified for FLOOR USE ONLY.**

The use of adhesives or other attachment methods that prevent access to suction piping or SOFA components is prohibited.

NOTICE! This is a four (4) port sump. IF NOT ALL PORTS ARE USED THE UNUSED PORTS MUST BE PERMANENTLY SEALED TO PREVENT WATER LEAKS. Glue a cap (2-1/2 inches) or plug (2 inches) into each unused port before installation of the sump. Alternatively, unused ports can be permanently sealed from the inside of the sump by gluing or epoxying a 2 inch plug (provided) into each unused threaded port. Acceptable epoxy for sealing unused sump ports include A+B Epoxy, AquaBond UW-5000, or other sealants marked for use with plastic such as PVC or ABS, and that is rated for permanent underwater applications.

PRODUCT MODIFICATIONS ARE PROHIBITED

Any field modification made to this product not authorized by AquaStar Pool Products shall void the VGBA-2017 certification.

No modification shall be made to a SOFA structure or flow path unless the new configuration has been certified as a new SOFA configuration.

WINTERIZING

Cover [4] and vented baffles [2], *see Figure 1*, may be removed to access suction piping — Save and store these OEM components in a safe location for reinstallation when not immediately reinstalled after winterizing. Lost or damaged components must be replaced with components sourced from AquaStar for the VGBA-2017 certification of this product to remain valid.

SERVICE INSTRUCTIONS

Service tool required: Phillips screwdriver (use hand tools only).

Install vented baffles [2], drain cover [4], and screws [3][5] in the order shown in the assembly drawing, *see Figure 1*.

Sump and fastener receptacles [1] shall be clean and free of debris and any obstructions during the installation of covers, baffles, and fasteners.

Installation and servicing requires a Phillips screwdriver. Install vented baffles [2] using supplied #8 x 3/4" screws [3]. Install the cover/grate using #10 x 3/4" screws [5]. Hand tighten only.

Start the installation of screws by hand to ensure proper thread engagement and to prevent cross-threading.

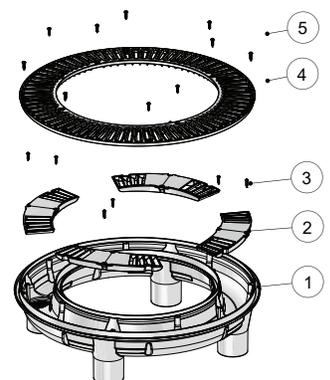


Figure 1

Tighten each screw until the screw and SOFA component fit snugly together. The parts and fasteners are snug when there are no visible gaps and the parts do not move when pulled or pushed by hand.

DO NOT USE POWER TOOLS TO INSTALL FASTENERS.

DO NOT OVER-TIGHTEN SCREWS. Overtightening screws may crack or damage SOFA components.

Hand-check vented baffles and cover/grate for snugness to the sump after installation.

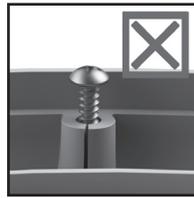
REPLACEMENT COVER FOR EXISTING POOLS

The Perfect Circle cover/grate (PC-Cxxx) is not a retrofit product and is only certified for installation with the Perfect Circle sump (PC-SBxxx) with vented baffles installed. When installing a replacement cover ensure that the sump is in good condition, with female screw holes capable of keeping the cover/grate in place during use. Drilling new holes through the vented baffles, the cover/grate, or into the sump is not permitted.

EXISTING FASTENER SECURITY CHECK



ENSURE AT LEAST THREE THREADS OF ENGAGEMENT AND HAND CHECK BY PULLING EACH SCREW TO ENSURE EACH SCREW IS SECURE



DO NOT OVERTIGHTEN SCREWS AS IT MAY CRACK OR STRIP THE SCREW HOLE BOSS



DO NOT USE THE WRONG SIZE SCREWS. IF THE SCREW HOLE IS STRIPPED, BUT NOT CRACKED, A LARGER REPLACEMENT SCREW MAY BE USED

When installing fasteners ensure that the screw hole is not cracked and the screw is not the wrong size. When properly secured the screw shall have at least 3 threads of engagement. Use a hand-held Phillips screwdriver to hand tighten each screw until the screw and SOFA component fit snugly together. DO NOT OVER-TIGHTEN SCREWS.

For each location that appears to be reusable, test fastener security by partially installing a screw in each location and then pulling firmly by hand. If the screw cannot be installed or can be pulled out, the component is to be considered damaged and should be replaced or repaired. If the manufactured sump's female receptacles are stripped they may be repaired by carefully drilling the hole one screw size larger. For a #10 screw, you will need a 1/8" drill bit; for a #12 screw, use a 3/16" drill bit. Replacement screws must be 316 stainless steel pan heads only.

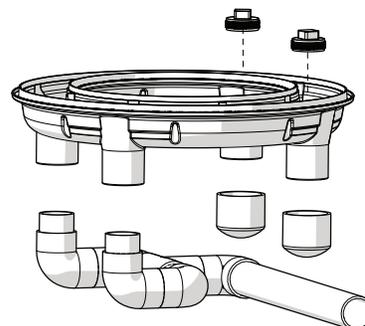
PROCESS PIPING CONFIGURATIONS

The following process piping configurations are provided to guide designers in the selection of a SOFA configuration that supplies the flow range required for each application. Please note that the safety-based VGBA-2017 flow ratings are often higher than pool and spa building code flow limits for each pipe size. The maximum operating flow rate of a pump or pumps must not exceed the flow rating of any SOFA Configuration. Designers should select a piping configuration that best matches the design flow rate for each pump and also complies with local codes. To improve recirculation system performance, energy efficiency, and to reduce pump noise, select pipe sizes that are larger than the minimum allowed by code.



FOR VGBA 2017 SPECIFICATION SHEET AND
ADDITIONAL SUPPORT DOCUMENTS
SCAN THE QR CODE OR VISIT
WWW.AQUASTARPOOLPRODUCTS.COM/FLOWCODE

SOFA Model #:
PC-22.3f_A-2x2b_B2.9_C0_D0_E1.3_F16



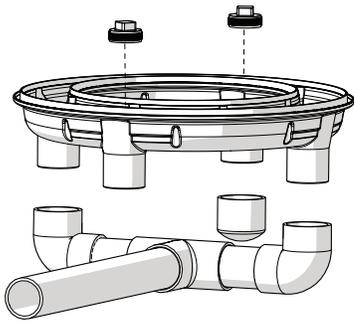
VGBA-2017: 120 GPM

2" Pipe: 83 GPM / 8 fps
2" Pipe: 63 GPM / 6 fps
2" Pipe: 52 GPM / 5 fps
2" Pipe: 42 GPM / 4 fps

PROCESS PIPING CONFIGURATIONS *continued*

SOFA Model #:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16



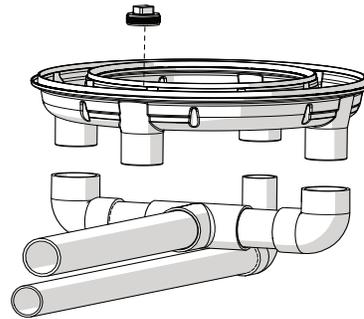
VGBA-2017: 200 GPM

- 2.5" Pipe: 119 GPM / 8 fps
- 2.5" Pipe: 90 GPM / 6 fps
- 2.5" Pipe: 75 GPM / 5 fps
- 2.5" Pipe: 60 GPM / 4 fps

Hydraulically balanced, dual suction ports

SOFA Model #s:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16, and
PC-22.3f_A-2b_B2.9_C0_D0_E1.3_F16



VGBA-2017: 320 GPM

Pump 1*

- 2.5" Pipe: 119 GPM / 8 fps
- 2.5" Pipe: 90 GPM / 6 fps
- 2.5" Pipe: 75 GPM / 5 fps
- 2.5" Pipe: 60 GPM / 4 fps

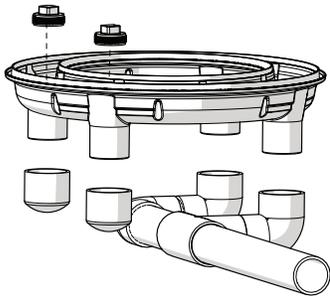
Pump 2

- 2" Pipe: 83 GPM / 8 fps
- 2" Pipe: 63 GPM / 6 fps
- 2" Pipe: 52 GPM / 5 fps
- 2" Pipe: 42 GPM / 4 fps

*Hydraulically balanced, dual suction ports

SOFA Model #:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16

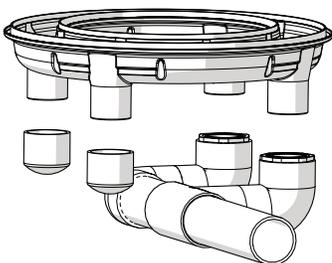


VGBA-2017: 200 GPM

- 2.5" Pipe: 119 GPM / 8 fps
- 2.5" Pipe: 90 GPM / 6 fps
- 2.5" Pipe: 75 GPM / 5 fps
- 2.5" Pipe: 60 GPM / 4 fps

SOFA Model #:

PC-22.3f_A-3x2b_B2.9_C0_D0_E1.3_F16

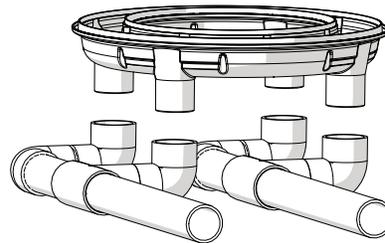


VGBA-2017: 184 GPM

- 3" Pipe: 184 GPM / 8 fps
- 3" Pipe: 138 GPM / 6 fps
- 3" Pipe: 115 GPM / 5 fps
- 3" Pipe: 92 GPM / 4 fps

SOFA Model #:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16



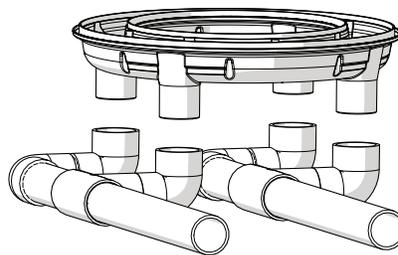
VGBA-2017: 400 GPM

Pump 1 & 2

- 2.5" Pipe: 119 GPM / 8 fps
- 2.5" Pipe: 90 GPM / 6 fps
- 2.5" Pipe: 75 GPM / 5 fps
- 2.5" Pipe: 60 GPM / 4 fps

SOFA Model #:

PC-22.3f_A-3x2b_B2.9_C0_D0_E1.3_F16



VGBA-2017: 364 GPM

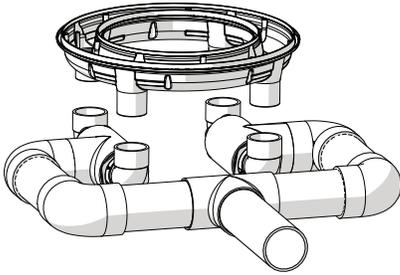
Pump 1 & 2

- 3" Pipe: 184 GPM / 8 fps
- 3" Pipe: 138 GPM / 6 fps
- 3" Pipe: 115 GPM / 5 fps
- 3" Pipe: 92 GPM / 4 fps

PROCESS PIPING CONFIGURATIONS *continued*

SOFA Model #:

PC-22.3f_A-2.5x4b_B2.9_C0_D0_E1.3_F16



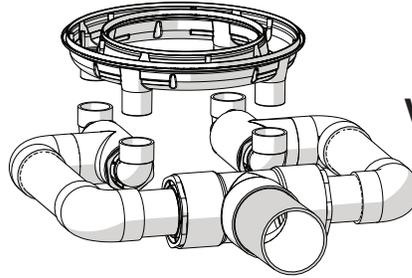
VGBA-2017: 400 GPM

- 4" Pipe: 317 GPM / 8 fps
- 4" Pipe: 238 GPM / 6 fps
- 4" Pipe: 198 GPM / 5 fps
- 4" Pipe: 159 GPM / 4 fps

Hydraulically balanced, quad suction ports

SOFA Model #:

PC-22.3f_A-2.5x4b_B2.9_C0_D0_E1.3_F16



VGBA-2017: 400 GPM

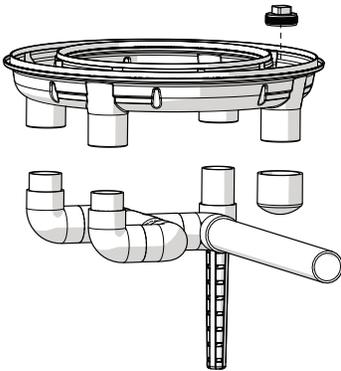
- 6" Pipe: 400 GPM / 4.4 fps
- 6" Pipe: 360 GPM / 4 fps
- 6" Pipe: 270 GPM / 3 fps

Hydraulically balanced, quad suction ports

HYDROSTATIC RELIEF VALVE OPTIONS

SOFA Model #:

PC-22.3f_A-2x2b_B2.9_C0_D0_E1.3_F16

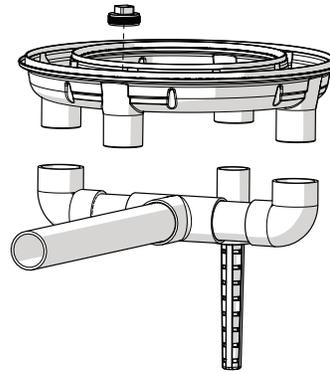


VGBA-2017: 120 GPM

- 2" Pipe: 83 GPM / 8 fps
- 2" Pipe: 63 GPM / 6 fps
- 2" Pipe: 52 GPM / 5 fps
- 2" Pipe: 42 GPM / 4 fps

SOFA Model #:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16



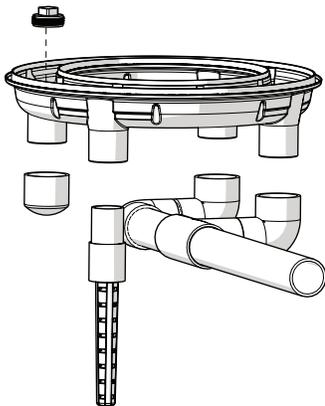
VGBA-2017: 200 GPM

- 2.5" Pipe: 119 GPM / 8 fps
- 2.5" Pipe: 90 GPM / 6 fps
- 2.5" Pipe: 75 GPM / 5 fps
- 2.5" Pipe: 60 GPM / 4 fps

Hydraulically balanced, dual suction ports

SOFA Model #:

PC-22.3f_A-2.5x2b_B2.9_C0_D0_E1.3_F16

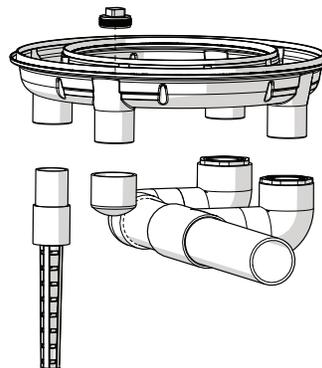


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- 2.5" Pipe: 119 GPM / 8 fps
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SOFA Model #:

PC-22.3f_A-3x2b_B2.9_C0_D0_E1.3_F16



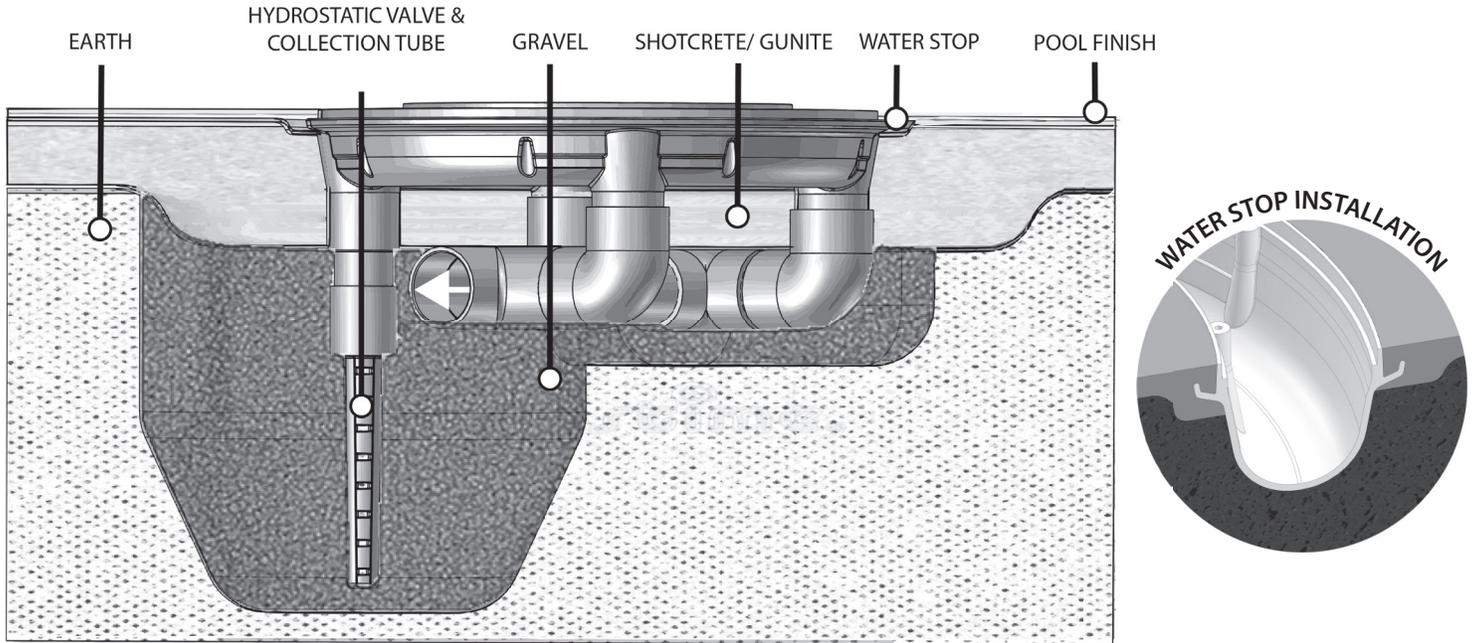
VGBA-2017: 184 GPM

- 3" Pipe: 184 GPM / 8 fps
- 3" Pipe: 138 GPM / 6 fps
- 3" Pipe: 115 GPM / 5 fps
- 3" Pipe: 92 GPM / 4 fps

WATER DEPTH

The top edge of the sump will set the water depth of the pool or spa when located at the deepest point of any body of water. For this reason, installers must know the design depth and then adjust the installation to match within the local building code's allowable depth tolerance. Assuring the sump is installed at the correct depth is extremely important for public pools and spas that will have depth markers that must match the installed water depth.

20" PERFECT CIRCLE SUMP INSTALLATION (WITH OPTIONAL HYDROSTATIC VALVE)



INSTALL THE TOP OF THE SUMP AT THE FINAL FINISH ELEVATION OF THE POOL

Make sure the sump is level, unless the floor is intended to slope where the drain is located on the pool plan. If the pool floor is sloped, make sure the sump angle matches the plan's designed slope angle. The maximum allowed angle of the drain is 45 degrees from level. **DO NOT INSTALL ON WALLS.**

CONCRETE THICKNESS BELOW AND AROUND THE SUMP

When positioning the sump, make sure to provide space to assure the minimum concrete thickness is provided in accordance with the local building code and the pool or spa plans. The piping configurations shown above can be extended down from the sump as far as needed without changing or modifying the VGBA-2017 flow ratings and building code velocity limits.

FINAL FINISH INSTALLATION

After installing the sump and piping, AquaStar suggests using a blower when possible to clear any dirt and other construction debris from the suction lines and the sump before installing the pressure test plugs provided with the product. Once all test plugs are fully sealed without overtightening, install the plaster shield [6] using the #10 X 3/4" screws [5], see Figure 2. The disposable plaster shield is included to prevent debris from entering the sump and to retain the sump shape during pool finish. **THE PLASTER SHIELD MUST BE REMOVED** before startup by carefully piercing it with a sharp object and then pulling to remove.

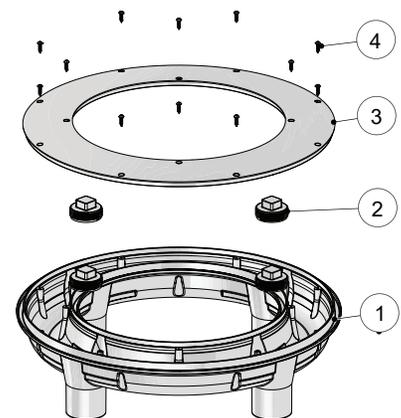


Figure 2

WARNING! SUCTION ENTRAPMENT HAZARD

INCREASING PUMP SIZE WILL INCREASE FLOW. When in doubt, consult your pool and spa professional. NEVER use a pool or spa that has a missing or broken suction outlet cover. USING A POOL OR SPA WITH A MISSING OR BROKEN SUCTION OUTLET COVER CAN RESULT IN HAIR OR BODY ENTRAPMENT WHICH CAN CAUSE SEVERE BODILY INJURY OR DEATH. THE VACUUM IN SUCTION OUTLETS AND/OR SUCTION OUTLET COVERS WHICH ARE DAMAGED, BROKEN, CRACKED, MISSING, OR UNSECURED CAN CAUSE SEVERE INJURY AND/OR DEATH DUE TO THE FOLLOWING ENTRAPMENT HAZARDS: HAIR ENTRAPMENT – Hair can become entangled in suction outlet cover. LIMB ENTRAPMENT – A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing or not securely attached can result in a mechanical bind or swelling of the limb. BODY SUCTION ENTRAPMENT – A negative pressure applied to a large portion of the body or limbs can result in an entrapment. EVISCERATION/ DISEMBOWELMENT ENTRAPMENT – A negative pressure applied directly to the intestines through an unprotected suction outlet sump or suction outlet cover which is damaged, broken, cracked, missing, or unsecured can result in evisceration/disembowelment entrapment. MECHANICAL ENTRAPMENT – There is a potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of a suction outlet cover resulting in mechanical entrapment. AFTER INSTALLATION OF FITTINGS, IF A GAP EXISTS BETWEEN POOL FINISH AND BASE OF COVER IT MUST BE FILLED IN TO AVOID FINGER OR OTHER ENTRAPMENT.

WARNING! – Failure to remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets can result in an increased potential for suction entrapment as described above.

WARNING! – Failure to keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material can result in an increased potential for suction entrapment as described above.

WARNING! – Suction outlet components have a finite life. The cover/grate should be inspected before each use of facility and replaced at least every five years or if found to be damaged, broken, cracked, missing, not securely attached or missing screws. **DO NOT** use facility until corrected!

WARNING! TO REDUCE THE RISK OF ENTRAPMENT HAZARDS

This is a VGBA-2017 Unblockable SOFA approved single unblockable outlet that is certified for floor use only. Suction fittings shall not be located on seating areas or on the backrest for such seating areas. The maximum operating flow rate of a pump or pumps shall not exceed the flow rating of the SOFA Configuration. Never use pool or spa if any suction outlet component is damaged, broken, cracked, missing or not securely attached. Replace damaged, broken, cracked, missing or not securely attached suction outlet components immediately. This suction outlet must be installed in accordance all applicable national, state and local laws, codes and ordinances. Use gray medium set glue is recommended when attaching PVC pipe to AquaStar's PVC based sump buckets. The use of blue glue or related hot glues, clear glues or any fast-setting cement are not recommended.

As the manufacturer, AquaStar Pool Products, Inc., hereby certifies that their suction outlet fitting assemblies and drain covers manufactured on or after May 24, 2021 meet or exceed the requirements of ANSI/APSP/ICC-16 2017. Products manufactured before May 24, 2021 meet or exceed the requirements of the Virginia Graeme Baker Pool & Spa Safety Act, ASME/ANSI A112.19.8-2007, VGBA 2008 and ANSI/APSP 16-2011 standards and safety regulations as set forth by the Consumer Products Safety Commission. A copy of this certificate of compliance is available on AquaStar Pool Products Inc.'s website, www.aquastarpoolproducts.com.

A Safe Drain is No Accident™



THIS SPACE IS INTENTIONALLY LEFT BLANK

A Safe Drain is No Accident™



VGBA DRAIN COVER IDENTIFICATION INFORMATION

ATTENTION INSTALLER - Please carefully cut along the dashed line and remove from instructions. Fill in the blank spaces below upon installing drain cover. Permanently post as near as feasible to the pump control and provide a copy of this information to the pool owner to be kept with other important pool-related documents.

Manufacturers Name:
AquaStar Pool Products Inc.

Cover/Grate Part Number:
PCxxx

Service Life of the Cover Grate:
5 years from the date of installation



SOFA FLOW RATING
For SOFA flow rating please scan the QR code or visit www.aquastarpoolproducts.com/flowcode

Certified Suction Outlet Fitting Assembly (SOFA) Flow Ratings:
Please use the QR Code or Link to find the SOFA Specific flow rate for your configuration.

SOFA Model(s) #: _____

Orientation: _____ (wall or floor) **SOFA Flow Rating:** _____ GPM

Location of the Installed Suction Outlet Fitting Assembly:
Please describe the location of the suction outlet fitting assembly.

Location: _____

Installation Date:
Please mark the month and year that the drain cover was installed below.

Month						Year					
1	2	3	4	5	6	21	22	23	24	25	26
7	8	9	10	11	12	27	28	29	30	31	32

REFER TO INSTRUCTIONS OR VISIT OUR WEBSITE FOR ADDITIONAL INFORMATION - (877) 768-2717 - www.aquastarpoolproducts.com - MADE IN THE USA - © 2022 AquaStar Pool Products, Inc. - REV081122



A Safe Drain is No Accident™
VGBA Compliance Every Pool, Every Time

IMPORTANT SAFETY INFORMATION READ, FOLLOW, AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS

This VGBA Suction outlet has an installation specific flow rating and this product **SHALL NOT** be installed on a pumping system that is capable of exceeding this limit, which varies based on the number and location of installed suction outlets. **READ** and **FOLLOW** the section of the included installation instructions explaining how to calculate the suction system flow ratings and that of the installed pumping system.

This is an UNBLOCKABLE VGBA Suction Outlet that may be installed as the sole source of water for a single suction. Please check local building/health authorities regarding single versus multiple drain installations.

THIS LABEL IS TO BE REMOVED BY THE INSTALLER ONLY

VGBA DRAIN COVER IDENTIFICATION INFORMATION

ATTENTION INSTALLER - Please carefully cut along the dashed line and remove from instructions. Fill in the blank spaces below upon installing drain cover. Permanently post as near as feasible to the pump control and provide a copy of this information to the pool owner to be kept with other important pool-related documents.

Manufacturers Name:
AquaStar Pool Products Inc.

Cover/Grate Part Number:
PCxxx

Service Life of the Cover Grate:
5 years from the date of installation



SOFA FLOW RATING
For SOFA flow rating please scan the QR code or visit www.aquastarpoolproducts.com/flowcode

Certified Suction Outlet Fitting Assembly (SOFA) Flow Ratings:
Please use the QR Code or Link to find the SOFA Specific flow rate for your configuration.

SOFA Model(s) #: _____

Orientation: _____ (wall or floor) **SOFA Flow Rating:** _____ GPM

Location of the Installed Suction Outlet Fitting Assembly:
Please describe the location of the suction outlet fitting assembly.

Location: _____

Installation Date:
Please mark the month and year that the drain cover was installed below.

Month						Year					
1	2	3	4	5	6	21	22	23	24	25	26
7	8	9	10	11	12	27	28	29	30	31	32

REFER TO INSTRUCTIONS OR VISIT OUR WEBSITE FOR ADDITIONAL INFORMATION - (877) 768-2717 - www.aquastarpoolproducts.com - MADE IN THE USA - © 2022 AquaStar Pool Products, Inc. - REV081122



A Safe Drain is No Accident™
VGBA Compliance Every Pool, Every Time

IMPORTANT SAFETY INFORMATION READ, FOLLOW, AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS

This VGBA Suction outlet has an installation specific flow rating and this product **SHALL NOT** be installed on a pumping system that is capable of exceeding this limit, which varies based on the number and location of installed suction outlets. **READ** and **FOLLOW** the section of the included installation instructions explaining how to calculate the suction system flow ratings and that of the installed pumping system.

This is an UNBLOCKABLE VGBA Suction Outlet that may be installed as the sole source of water for a single suction. Please check local building/health authorities regarding single versus multiple drain installations.

THIS LABEL IS TO BE REMOVED BY THE INSTALLER ONLY

