

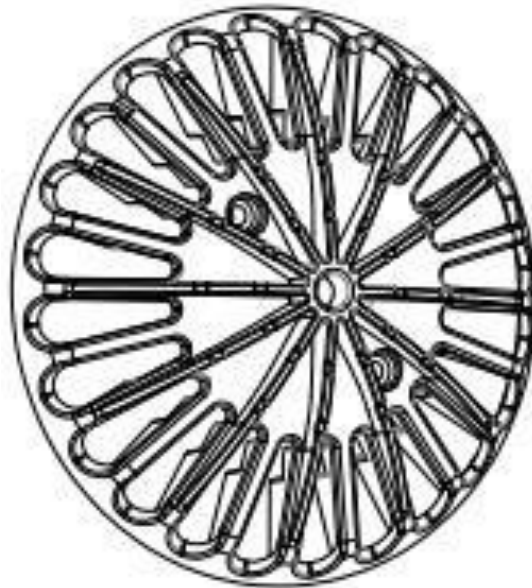


## Wall Suction Fitting

# INSTALLATION AND OPERATING INSTRUCTIONS

SUCTION COVER, 50MM CONNECTION

FIBREGLASS AND VINYL LINER POOLS



*READ AND FOLLOW ALL INSTRUCTIONS*

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

**COPY MUST BE LEFT WITH OWNER**

# WARNINGS AND IMPORTANT SAFETY PRECAUTIONS

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## WARNING



Installers, pool operators and pool owners must fully read these instructions and warnings before using this product.



Serious injury or death can occur if this product is not installed and used correctly according to these operating and installation instructions

## WARNING



Improper use or installation of this product may present a risk of hair and/or body entrapment. This could result in drowning or serious injury. It is important that this product be installed according to these installation instructions provided. Failure to follow these instructions or using this product with other equipment not intended for use with this fitting may result in improper functioning of the cover and may cause severe personal injury or death.

## WARNING



An approved cover that meets with AS1926.3-2010 and/or ANSI/ASME A112.19.8 must be used on each submerged drain or suction fitting within the pool basin. If a cover becomes broken, loose or is missing then the swimming pool system should be shut off until an approved anti-entrapment cover is properly fitted. It is important that only the supplied 316 stainless steel screws are used in the installation of this cover. If the holes for the screws become enlarged or the thread is stripped, do not insert larger screws, the whole body of the fitting should be replaced. Modifying the holes for the screws may compromise the structure of the fitting.

## WARNING



Be aware of the maximum allowable flow rate for the cover and do not exceed this limit. To confirm system flow rate consult your local pool and spa professional. Failure to comply with maximum flow rates and velocities can result in body or hair entrapment which can cause death.

## WARNING



**IF PUMP CONNECTING TO SUCTION OUTLETS IS CHANGED AT ANY TIME, YOUR LOCAL POOL AND SPA PROFESSIONAL MUST BE CONSULTED TO ENSURE COMPLIANCE WITH THESE INSTRUCTIONS IS MAINTAINED.**



For full warranty terms and conditions and to register your warranty, simply visit [www.astralpool.com.au/warranty](http://www.astralpool.com.au/warranty) and complete your details. Or scan the QR code and be taken directly to the registration page.

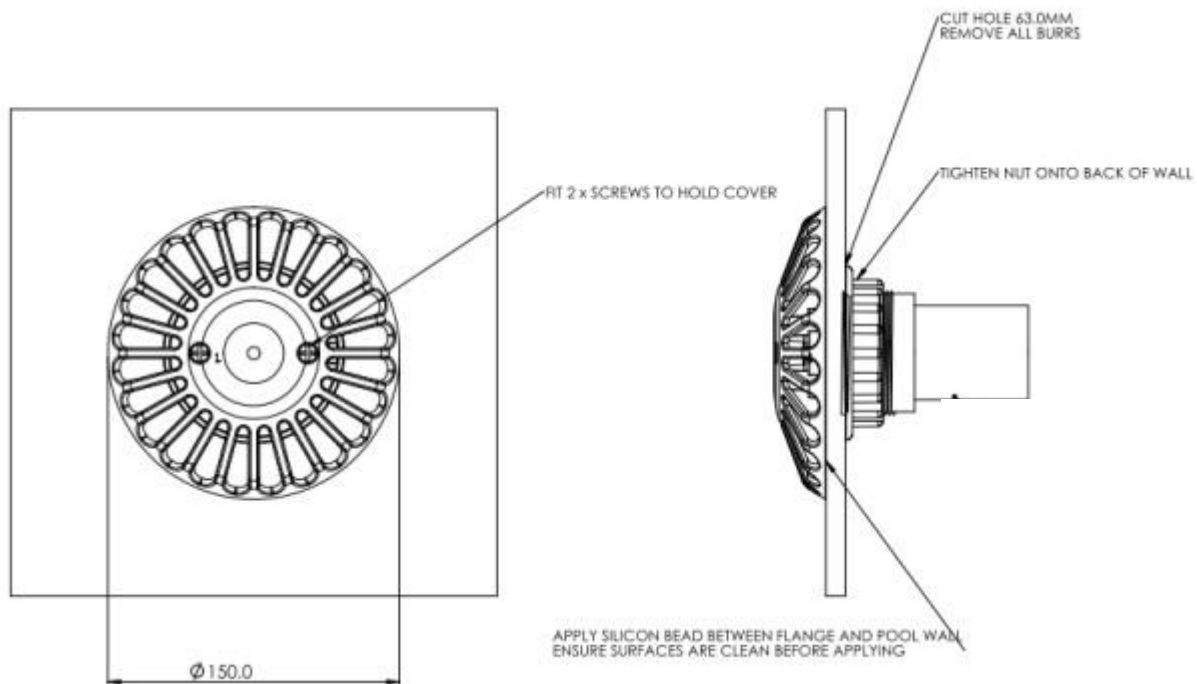
Record your equipment details here for quick reference:

Model No.: \_\_\_\_\_

Serial No.: \_\_\_\_\_

## INSTALLATION OF THE COVER

- Ensure a minimum of 2 suction outlets are installed on each pump common suction line. There must be a minimum of 600mm between the suction outlets, center to center.
- Using a hole saw, cut 63mm diam. hole in pool shell, ensure all burrs are removed.
- Apply a silicone bead to back of suction outlet fitting to provide a seal on the pool shell interior.
- Feed body of suction outlet through hole in pool shell and tighten locking nut from outside of shell. Ensure gasket is in place between shell and nut.
- Using suitable PVC glue, attach system pipe work to the rear of the fitting. Ensure the correct size pipe is used according to the markings on the suction fitting cover.
- Fit cover to suction outlet using only the screws provided.



# FLOW RATE

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The maximum rated flow rate through the suction outlet is 196 litres per minute (52 US Gallons per Minute). A minimum of two suction outlets MUST be installed at least 600mm apart to comply with the maximum flow rate.


Each additional Suction Outlet in addition to the minimum of two, and plumbed to the same suction line will increase the maximum permissible flow rate by 98 litres per minute (26 US Gallons per minute).

**Example:**

Installation	Maximum permissible Flow Rate
2 x suction outlets each installed 600mm apart	196 litres per minute (52 US GPM)
3 x suction outlets each installed 600mm apart	295 litres per minute (78 US GPM)
4 x suction outlets each installed 600mm apart	394 litres per minute (104 US GPM)

**THIS SECTION TO BE UPDATED AFTER TESTING AND FLOW RATES CONFIRMED**

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**WARNING**  The suction outlets MUST be connected together by a minimum 50mm class 9 branch pipe, with a connecting tee placed midway. No device or PVC fitting shall be inserted in the branch pipe that reduces the effective size below 50mm class 9.

A common line connects the pump to the tee.

# MAINTENANCE

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It is recommended to perform regular checks of the suction covers for signs of cracks or weathering. If any signs of degradation are found, the pool system should be shut down until the component(s) are replaced.

It is advised that the outlet covers and screws should be replaced every 5 to 7 years.



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