



## SX Series Spa Blower

# INSTALLATION AND OPERATING INSTRUCTIONS



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**FLUIDRA**  
The Fluidra logo graphic consists of four overlapping circles in shades of blue and green.

## GENERAL

The Hurlcon SX Series blower is designed to provide years of trouble free use, excellent performance, and operate quietly. The soft density housing and foam insulation absorbs motor noise and vibration. Two sizes are available – 1000 watt and a 1300 watt.

### Note:

The appliance is not intended for use by young children or infirm person without supervision. Please ensure that young children are supervised to ensure that they do not play with the appliance.

## INSTALLATION

The 1000 watt model requires a 40mm PVC pipe from the blower to the spa and the 1300 watt model requires a 50mm PVC pipe from the blower to the spa. Connection into the blower is 50mm PVC which should be glued into the union tail on the bottom of the blower.

**WARNING:** Disconnect blower from nut and tail prior to glueing – trapped glue vapours in the blower may cause an explosion. Connect lock nut to thread on blower after glue has dried.

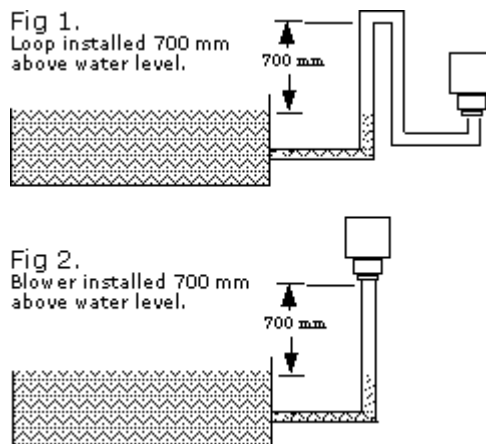
## HURLCON SX SERIES BLOWER

### Gooseneck

The blower should be installed in a dry location as close as possible to the spa but should not be installed within 3 meters to comply with electrical standards. To prevent damage to the blower and electric shock the blower must be installed at least 700mm above the highest water level in the spa (see fig 2)

If the blower is to be installed below the water level or further than 5 meters from the spa a loop must be installed at least 700mm above the highest water level (see fig 1). This loop should be installed within two meters of the spa.

FAILURE TO COMPLY WILL VOID WARRANTY.



### Gas Appliances

The blower must NOT be installed within 1.5 meters of any gas appliance flue. It must NOT be installed in the same room as a gas appliance unless, it is sealed from the plant room and draws its own fresh air supplied.

### Spa Manifold

Spa Manifold ring should have sufficient holes to total 800 square mm. Insufficient air holes in the spa will cause excessive pressure on the blower and may cause the blower to overheat and reduce the life of the motor.

As a guide the following table should be consulted:

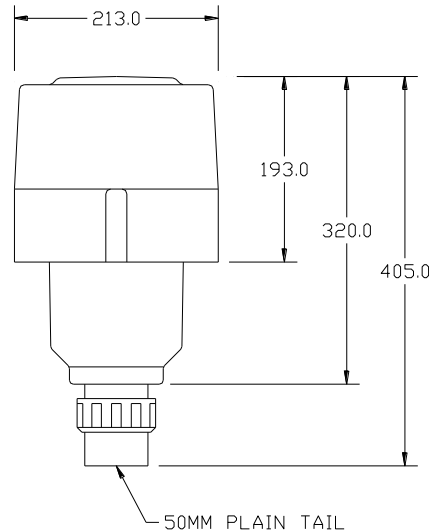
Air Hole Size	Number of Holes
3mm	110
4mm	64
5mm	45
6mm	30

Failure to comply with minimum area of holes will void warranty.

## Specifications

Specifications	1000 Watt	1300 Watt
Fan Speed	Single Stage Single Speed (opt. 3 speed)	Two Stage Single Speed (opt. 3 speed)
R.P.M.	21000	19500
Input	240 VAC	240 VAC
Current	980 WATT	1280 WATT
Airflow	2500 LPM	2800 LPM

## Dimensions



## Warning

Spa blowers should not be connected to Spa Jets, and operated simultaneously with pumps, on the same return line.

## Operation

The Hurlcon SX Series blower is designed specifically for residential spas and swimming pools and if the following instructions are followed, will give you years of trouble free performance. Do not turn the blower on and off at rapid intervals – the blower works hardest when it is clearing water from the pipes. Keep the blower free from debris such as leaves, cobwebs and insect nests. The blower is designed to run continuously for extended periods but should not be used on commercial installations where it will operate continuously for several hours every day. Should this be your requirements, contact Hurlcon for further advice. An internal high limit cutout will shut the blower down if the air flow is insufficient to keep the motor cool. Once the motor cools, the high limit will reset and start the blower operation once again.

Do not attempt to service or repair the blower yourself, there are no user serviceable parts inside. Contact Hurlcon for you local service agent should your blower require servicing.

## WARRANTY

The Hurlcon SX Series Blower is covered by a 12 months warranty against defects in materials or workmanship (plus 30 days to allow for installation). To make a warranty claim you must return your blower to Hurlcon's factory freight prepaid and Hurlcon will repair or replace the blower (at its option) and return the blower to you. Hurlcon reserves the right to replace or repair defective parts.

In field labour is not covered under the terms of the warranty. Incorrect installations will void the warranty. Hurlcon shall not be responsible for any consequential damages. Damage to the blower caused by accident, misuse or negligence will void the warranty. No person is authorised to make any representations on behalf of Hurlcon other than what is written here without the express written permission of Hurlcon.

### Commercial Installations

On Commercial Installations, such as health clubs, motels/hotels and hydrotherapy, the warranty term is 12 months from the date of purchase plus 30 days.

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