

Delta Hot Pumps

The Delta Hot Pump range combines high technology pump design with modern motors to produce a compact and efficient pump. Delta Hot Pumps can be easily installed in the tightest situation.

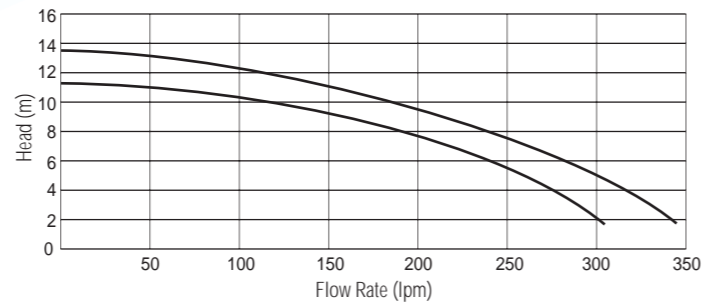
- > Streamlined compact design.
- > Choice of models for most bath sizes.
- > Accessories available.
- > Flexible unions, Air Switches and Air relief valves supplied as standard.
- > Quiet, safe and reliable operation.
- > Australian designed and manufactured.
- > Complies with Australian / New Zealand Standards AS/NZS 3136



The Delta Pump is easily activated by a fashionable air switch.

Warranty

Delta Hot Pumps are covered by Waterco's comprehensive 12 month warranty.



Model	Pump		Heater		No. of Jets	Dimensions (mm)			Heat Constant
	Amps	Watts	Amps	Watts		H	W	L	
Delta Hot 50	2.6	620W	6.5	1.6kW	3-4	260	185	475	4.4*
Delta Hot 75	3.6	860W	6.5	1.6kW	5-6	260	185	475	4.4*

* Based on ideal heating with NO heat loss from the bath
Heat Constant is the time taken to heat 100 litres by 1°C
Time = Heat Constant x spa size in litres x required temp rise / 100
e.g. Time to heat a spa 900lts by 5°C with a Delta Hot 50 or Delta Hot 75
Time = 4.4 x 900 x 5 / 100
= 198 minutes

Note: Actual time to heat may be longer than calculated.

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Portable Spa Pool Systems



Warm jets and relaxing bubbles



Portapac Spa Pool Systems



Portapac's are centrifugal spa pool pumps with built-in electric heaters and electronic controls. The Portapac circulates water through the spa jets as well as heating the water.

Delta Hot Pumps



Designed to fit underneath the "skirt" of the Spa, the Delta Hot Pump provides an invigorating water massage as well as ensuring the warmth of the water.


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Portapac Spa Pool Systems

There are several Portapac models to choose from, each providing a range of creature comforts to suit your particular needs.

PORTAPAC SSC BOOST PANEL



Indicator lights for each mode

Pump Mode (available on all models)
Once the set temperature is reached, the heater will switch off, but the pump will continue to run. When the temperature of the water drops below the set temperature, the heater will switch on again.

Demand Mode (available on all models)
The pump and heater will run until the desired temperature is reached. When the temperature drops below the set temperature both the pump and heater will switch on again. The operation of the heater is delayed on start-up to ensure any "hot spots" are removed from the spa.

Constant temperature display and accurate adjustment


Temperature control at your fingertips

Light switch (available on Premium models only)
Operates the Spa Light or any other low current device.

Auxiliary Switch (available on Premium models only)
Operates an auxiliary device.

Boost Mode
This mode will activate the pump and a blower or booster pump, providing a more powerful stream from the spa jets or the air manifold. If left on for more than 30 minutes, the Portapac will automatically switch to demand mode.

Portapac SSC AIR PANEL



Air Mode (only available on SSC Air models)
This mode activates the pump and a blower. The onboard electronics will run the blower at high speed, medium speed, low speed or in a gentle cycle between high and low speeds to create a massaging effect. If left on for more than 30 minutes, the Portapac will automatically switch to demand mode.

Please note that the above modes can only be run one at a time

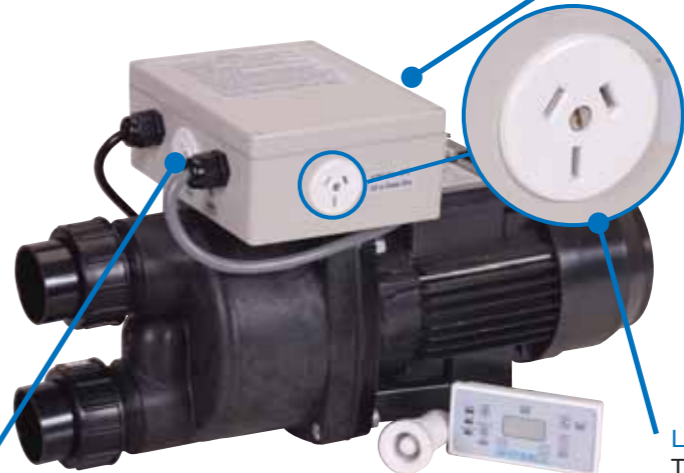
Air Switch

The Air Switch Button is used to cycle through the available modes of the Portapac. The Air Switch Button is sold separately and available in various profiles and colours to suit any décor. A small selection is given below.

455102	Flush Button - White
ASF202	Air Button Low Profile - White (Other colours available)
ASF218	Air Button Low Profile - Chrome A.B.S
ASF219	Air Button Low Profile - Gold A.B.S
ASF220	Air Button Low Profile - Chrome Brass
ASF222	Air Button Low Profile - Gold Brass
ASF224	Air Button High Profile - White (Other colours available)
AS&P083	Air Button High Profile - Chrome Trim
AS&P084	Air Button High Profile - Gold Trim

Additional Outlets

Portapac Premiums have the added advantage of additional outlets



Sanitiser Outlet
If a UV light or ozonator is connected to this outlet, it will operate whenever the pump is in operation. The maximum current for this outlet is 0.5 Amps.

Light Outlet
This outlet can be used to connect a spa light or any other low current device.

Auxiliary Outlet
Once the auxiliary device is activated, the heater will automatically cut out. If left on for more than 30 minutes, the Portapac will automatically switch to demand mode.

TECHNICAL SPECIFICATIONS

Model	Max Amp	Pump HP	Heater kW	Control	Pump	Demand	Air	Boost	Sanitiser Outlet	Light Outlet	Aux. Outlet
Demand	10	1.0	1.6	AS	✓	✓		✓			
Demand Elite	15	1.5	2.4	AS	✓	✓		✓			
SSC Air											
10A	10	1.0	1.6	TP	✓	✓	✓				
15A	15	1.5	2.4	TP	✓	✓	✓				
SSC Boost											
10A	10	1.0	1.6	TP	✓	✓		✓			
15A	15	1.5	2.4	TP	✓	✓		✓			
Premium SSC Boost											
10A	10	1.0	1.6	TP	✓	✓		✓	✓	✓	✓
15A	15	1.5	2.4	TP	✓	✓		✓	✓	✓	✓

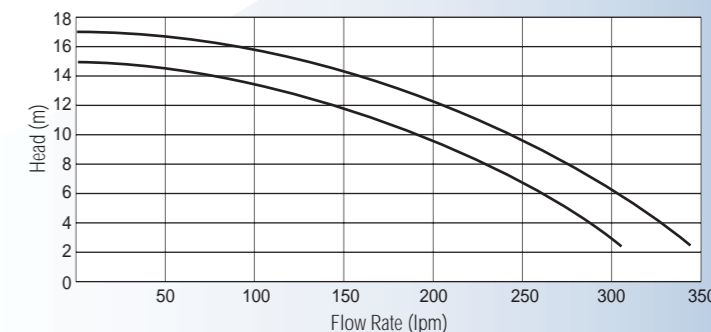
AS = Air Switch TP = Touch Pad

As the units are limited to the amount of amperage (Amps) they can deliver, not all features can be utilised at the same time.

Model	Length (mm)	Width (mm)	Height (mm)
Air Switch Models			
Demand, Demand Elite	460	160	265
SSC Touch Pad Models			
SSC Air, SSC Boost, SSC Premium Boost	460	187	250

Warranty

Portapac Spa Pool Systems are covered by Waterco's comprehensive 12 month warranty.



Model	Unit Rated Amps	Motor Amps	Heater Amps	No. of Jets	Heat Constant
Demand	10	3.6	6.7	4-6	4.4*
Demand Elite	15	4.8	10	6-8	2.9*
SSC Air 10A	10	3.6	6.7	4-6	4.4*
SSC Air 15A	15	4.8	10	6-8	2.9*
SSC Boost 10A	10	3.6	6.7	4-6	4.4*
SSC Boost 15A	15	4.8	10	6-8	2.9*
Premium SSC Boost 10A	10	3.6	6.7	4-6	4.4*
Premium SSC Boost 15A	15	4.8	10	6-8	2.9*

* Based on ideal heating with NO heat loss from the spa
Heat Constant is the time taken to heat 100 litres by 1°C
Time = Heat Constant x spa size in litres x required temp rise / 100
E.g. Time to heat a 1700lts spa by 5°C with an SSC Air 15A
Time = 2.9 x 1700 x 5 / 100
= 246.5 minutes

Note: Actual time to heat may be longer than calculated. The use of a spa or solar blanket is highly recommended.