

Sentry Sump Systems

Product Description

The **Sentry Sump Systems** are especially designed for the removal of groundwater from basement cavity drainage membrane systems. The systems comprise of a polyethylene chamber, internal pipework / fittings, locking access cover and 1 or 2 powerful submersible pumps. There is also the option of an Uninterruptible Power Supply (UPS) battery back-up system.

The chamber has a number of pre-moulded inlet points for easy connection of the **Aquadrain Perimeter Drainage Channel**.

The **Sentry Sump Systems** come standard with the **AquaSafe Alarm**, which acts as an early warning to alert the end user if there is:

- A power failure to the pump
- A service due
- A high level situation in the chamber
- A high level situation recorded

There is a battery included within the **AquaSafe Alarm** to power itself in case of mains power failure.

Pump Properties

	301 Pump	303 Pump
Power Supply	230 V (AC)	230 V (AC)
Rated Current	1.9 A	4.9 A
Motor Rating	180 W	500 W
Frequency	50 Hz	50 Hz
Revolutions per Minute	2800 rpm	2800 rpm
Maximum Vertical Output	6.8 m	12.5 m
Maximum Flow Rate	174 l/m	234 l/m
Maximum Liquid Temperature	<40°C	<40°C
Discharge Size	1¼"	1¼"
Free Passage	10 mm	10 mm
Cable Length	5 m	5 m

Dimensions

	Height	Width	Depth
Sentry Sump Chamber	600 mm	600 mm	600 mm
Sentry Sump Chamber (Access Cover)	N/A	450 mm	450 mm
AquaSafe Alarm	122 mm	124 mm	85 mm



Sentry Sump System Variants

All of the **Sentry Sump Systems** have the following features:

- 100 litre chamber capacity
- Built-in non-return valve
- **AquaSafe Alarm** included
- High flow rate
- Quiet operation
- Locking access cover

The differences between the **Sentry Sump Systems** are shown in the table below:

Sentry Single	<ul style="list-style-type: none"> • 1 × 303 pump
Sentry Twin	<ul style="list-style-type: none"> • 2 × 303 pumps
Sentry Twin/BB	<ul style="list-style-type: none"> • 2 × 301 pumps • UPS 3000 Battery Back-Up System included
Sentry Twin/BB (Pro)	<ul style="list-style-type: none"> • 2 × 303 pumps • UPS 3000 Battery Back-Up System included

Refer to the **UPS 3000 Battery Back-Up System** datasheet for more information on the battery back-up system.

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