

save water,  
save money,  
save the  
environment

## Shallow Dig (SD) Tank Product Data Sheet

### Product Description

The Stormsaver Shallow Dig (SD) storage tanks are ideal for storage of rainwater for domestic rainwater harvesting systems.

Combined with our Monsoon Eco or Monsoon Favorit unit, the SD range of tanks provides a simple and cost effective solution to installing a rainwater system in any home.

Rainwater can be harvested and re-used for a number of applications including toilet flushing, laundry and garden watering and can reduce household water consumption by up to 50%.

### The Shallow Dig (SD) range comes with many benefits including:

- Minimum installation depth
- Less earth to excavate and remove from site
- One piece, light and easy to manoeuvre without the need for plant equipment
- No concrete surround required
- Suitable for high water tables
- Integral leaf filter, overflow siphon and inlet calmer all pre-fitted
- Durable and economical
- Access for maintenance is easier than other circular tanks

### Materials & Manufacture

The SD range is manufactured from high quality rotationally moulded Polyethylene. Being manufactured all in one piece makes it easy to deliver, manoeuvre and install.

### The tanks carry a 25 Year Guarantee!

The unique anti-buoyancy technology applied to the design and manufacture means it can be installed in high water table locations so long as the earth coverage requirements are followed.

### Installation

As the height of the tanks range from as little as 1015mm to 1415mm the hole needed in the ground is much less than for standard circular or oval tanks. Access for maintenance is also easier.

This also means that the hole can be dug by hand if a JCB is not available and there is no need to shore up the sides.

The structural strength of the SD range means there is no need to concrete it in, again reducing cost and easing installation.



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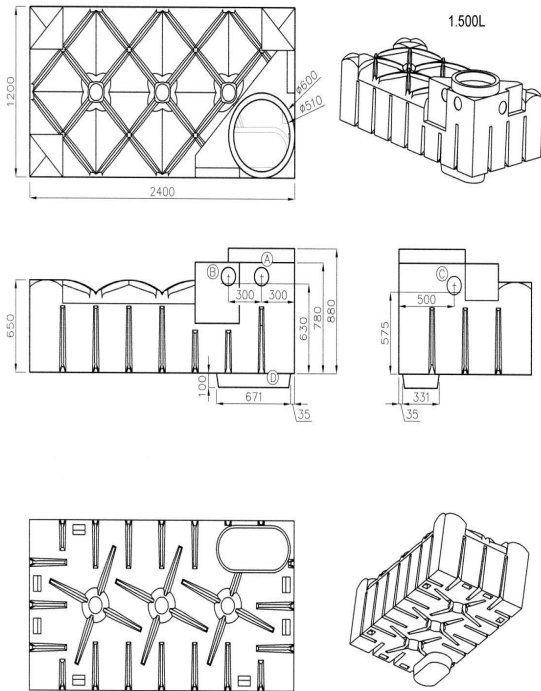
## Technical Details

| Size  | Length | Width  | Height (tank body) | Height (inc 235mm turret) | Weight  | Inlet (A) & overflow (C) sizes | Service duct (B) size | Height from base of tank to inlet | Height from base of tank to overflow |
|-------|--------|--------|--------------------|---------------------------|---------|--------------------------------|-----------------------|-----------------------------------|--------------------------------------|
| 1500L | 2400mm | 1200mm | 650mm*             | 1015mm                    | 80kg**  | 110mm                          | 110mm                 | 330mm                             | 385mm                                |
| 3000L | 2400mm | 2400mm | 650mm*             | 1015mm                    | 170kg** | 110mm                          | 110mm                 | 330mm                             | 385mm                                |
| 5000L | 2960mm | 2220mm | 920mm*             | 1350mm                    | 250kg** | 110mm                          | 110mm                 | 330mm                             | 385mm                                |
| 7500L | 3340mm | 2310mm | 1125mm             | 1415mm                    | 310kg** | 110mm                          | 110mm                 | 325mm                             | 375mm                                |

\* Sump basin height is 100mm in addition. \*\* Weight without integral leaf filter and inlet calmer. Add 5kg for tanks which include these items.

Maximum depth of ALL tanks is 1.5m from the top of the tank to finished ground level

## Technical Drawing (1500L)



## Accessories



**235mm  
Entrance Shaft**



**Pedestrian duty lid**



**635mm  
Entrance Shaft**



**600mm  
Spacer Ring**

Either a 235mm or 635mm entrance shaft must be used with the SD tank. A spacer ring can be used to extend the 235mm shaft. Vehicle duty lids and 635mm entrance shafts are available on request for driveways.

## Complimentary Products

Stormsaver offer a wide range of products. Please contact our sales team to find out more about:

- **Monsoon Eco and Monsoon Favorit control units** low energy, compact control units housing all technology necessary to control your rainwater system and mains water back up

- **Floating suction filter kits** – and other fittings to make your rainwater harvesting system complete
- **Suction Hose** supplied in 20m or 40m lengths to connect your floating suction filter in your SD tank to the control unit in your home
- **Commercial rainwater harvesting solutions**

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## Monsoon Hydroforce Pump Data Sheet

### Product Description

The HydroForce™ pump Series 3 is an electronically controlled, pressure-sensitive, submersible, centrifugal roto-dynamic pump.

The pump is run-dry protected and includes a non-return valve. The filters and connectors are factory fitted and each unit is individually factory tested.

The Hydroforce pump is used as part of the Monsoon Garden watering rainwater harvesting system as a hose can be directly connected to it. The pump comes with a nylon cord for easy removal for maintenance

### Product Applications

The Hydroforce Pump is designed for use with our Monsoon Rainwater Harvesting system for garden use or can be used for connection to a bib tap in a commercial or industrial setting. The submersible pump is installed inside the rainwater harvesting tank and is connected directly to the point of use.

The pump can be connected directly to a hose or can be piped to a bib tap.

The rainwater can be used for watering pots and plants, wash down of patios and driveways and for washing vehicles or irrigation, saving you money on your water bill at the same time as conserving our dwindling mains water supply.

Stormsaver can provide complete rainwater harvesting systems for use in either domestic or commercial properties. Please contact us for details of our complete packages.

### Technical Data

- Inlet port to the suction filter is 1" (25mm) BSP
- Outlet port is 1" (25mm) female BSP provided with a push fit connector for 1" (25mm) MDPE.
- 1 1/4" (32mm) push fit connector available by special order
- Dimensions: 565mm (L) x 185 (W) x 260mm (H)
- Weight: 13.1kg
- Max head: 35 metres (nominal)
- Pump pressure at outlet: 3.5 bar (nominal)
- Max suction length: 3 metres
- Electrical: 220 - 240 Volts AC at 50Hz, 800 Watts requiring 13 Amp RCD-protected socket. Cable length 10 metres
- Alloy bulkhead, pressure release gap and twin chamber design prevents ingress of water to motor, electrical components and to bearing oil.
- Alloy bulkhead also dissipates motor heat to water in the second chamber
- No mains water top up connection required. Unit only uses water in the tank until supply is exhausted.

### Special Features

- Pressure sensitive (demand) pump which turns itself off until there is a demand for water
- Dry-run protection. When no water is detected for 8 seconds, the pump is turned off by the printed circuit board (PCB) in order to protect the motor and pump from burning out.
- Automatic reset after a period of 30 minutes. If water is still not detected, subsequent reset periods are 1.5 hours, 3 hours, 7 hours, 12 hours, 24 hours then back to the beginning of the cycle. A thermal overload switch turns the pump off when the motor overheats. It resets when cool which may take several hours.
- Inlet cartridge filter, inlet strainer and output pipe connector are factory fitted and the seals tested to ensure proper running of the pump. Records of factory testing on each individual pump and can be recalled for warranty.
- No user-servicable parts, although debris and other blockages can be removed from the non-return valve in the inlet of the pump after consulting the instructions.

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