

Sump Pumps

Features

- Oil bath seal chamber
- Triple seals
- Stainless steel shaft
- Choice of impellers
- Adjustable float switch
- 6m power lead

Applications

Designed for domestic, farm, waste water, sewage and storm water. Orange Sump Pumps are supplied standard with a float switch for full auto operation. Manual models are available, please contact Orange customer service for more details.

Installation for all SP models

- Water to be pumped cannot exceed 45°C.
- Standing water level must not exceed 3m above pump
- The ratio of suspended solids cannot exceed 5% of total volume.

MUST BE INSTALLED IN VERTICAL POSITION

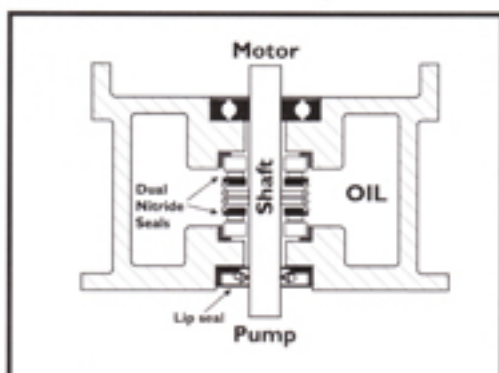
Dual seal and oil bath

All SP Orange pumps have ultimate motor protection with an additional lip seal, an oil bath, dual seals. SP200 pumps and larger have nitride mechanical seals. This reliably keeps water out of the motor.

The silicon nitride seals are very hard and are used for sewage and other applications where the fluid being pumped can contain some abrasive matter.

Motor protection

The dual silicon nitride seals, lip seal and oil bath construction gives best motor protection.



Pump construction

Robust heavy design, all cast iron, stainless steel shaft, and durable, giving the pump a long dependable life when pumping most fluids.

Level control

Each pump is supplied with a level control float switch and 6 metres of cable for easy electrical connection. Both float and lead cable are made of PVC to withstand chlorine and are not suitable for oils.

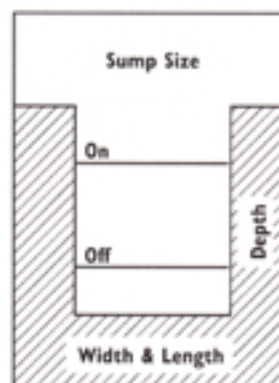
Float switches

Some sites may require a separate adjustable float switch in either sump fill sump empty function. See pump'n bits page.



Sump size selection

An oversize sump will greatly assist in the reliable operation of the pump and level control switch. It will compensate when the incoming flow of water may exceed the pump's capacity. It reduces turbulence and the possibility of the float lead becoming tangled and the on/off cycling of the pump.



When the pump switches off the sump must have sufficient volume to allow the water in the discharge pipe to flow back without reactivating the pump. It is recommended a non-return valve be fitted to the discharge pipe to prevent this occurring.

Guide for minimum size sumps

Size	Height cm	Dia cm	Weight kg	Minimum size sump cm		
				W	L	D
Small	36	21	14	35	50	40
Medium	47	25	30	40	50	60
Large	65	27	38	45	60	75

Small sumps SP100, SP140, SP200, SP213

Medium sumps SF100, SP500, SP630, SP600, SPC700, SP700G

Large sumps SP617

