

Sump pumps



Features

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



Must be installed vertically

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.

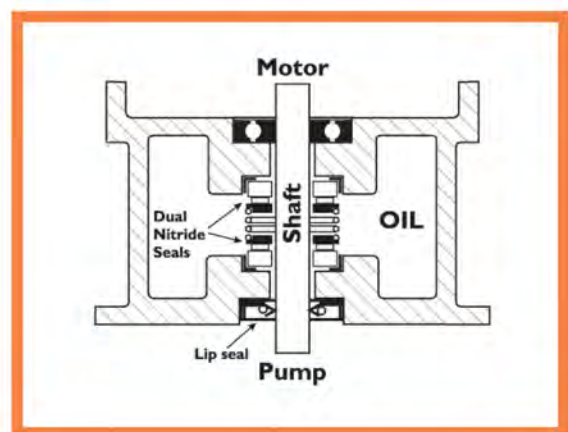
Installation for all SP models

- Water to be pumped cannot exceed 45C and 60C intermittent.
- Standing water level must not exceed 3m above pump
- The ratio of suspended solids cannot exceed 5% of total volume

Dual seal and oil bath

All SP Orange pumps have ultimate motor protection with an additional lip seal, an oil bath, and dual seals. SP213 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

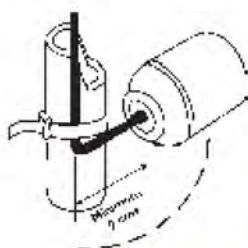
Robust heavy design, all cast iron, stainless steel shaft, and durable, giving the pump a long dependable life when pumping most fluids.

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 Rubber to withstand chlorine and oils.

Float switches

Some 1 phase and all 3 phase installations require a separate adjustable float switch in either sump fill sump empty function. See accessories page.



Sump pumps *open impeller*



Model SP213



Model SP213MZ

Features

Good at handling solids as the open design allows a semi cutting action to clear the pump. Used where there is a possibility that solids will need to be pumped and may clog the pump.



Model SP213 400 watt

Model SP213M 400 watt

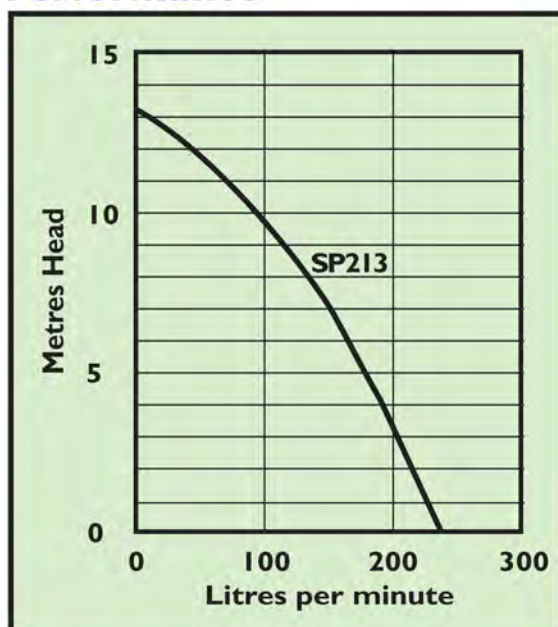
Model SP213MZ 400 watt

This pump has an open cast iron impeller and is suitable for pumping from cellars, septic tanks and household drainage where some solids and hair need to be pumped. The pump is protected with a stainless steel suction strainer.

Heavy cast iron construction, dual silicon nitride seals and an additional lip seal which protects the motor.

All pumps have the same performance. The SP213MZ is manual operation and certified for use in class 1 zone 2 pumping applications. The SP213 is automatic operation. The SP213M is manual operation.

Performance



vortex impeller



Model SP100



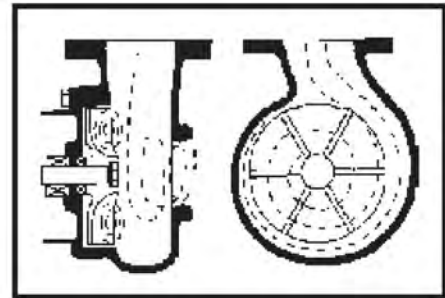
Model SP140



Model SP600

Features

The Vortex impeller design creates a whirlpool pump action. This allows soft solids, stringy material, grey water and light sewage to be pumped.



Model SP100 180 watt

This pump has a Nylon open impeller with vortex flow action, the motor is housed in stainless steel. It is used for pumping from cellars, septic tanks and household drainage where some solids and hair need to be pumped. The pump uses dual seals and an additional lip seal which protects the motor. Manual or automatic operation

Model SP140 450 watt

Similar to the SP100 but it will pump more water to a higher head and handle larger solids.

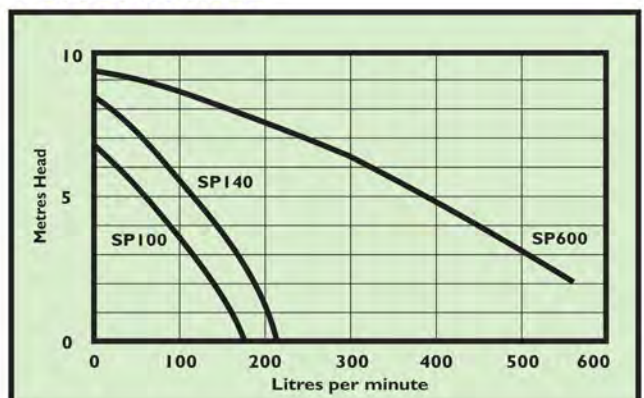
Model SP600 1100 watt

Vortex in design, capable of pumping 25 mm and stringy solids — dirty water, sewage, sullage, storm water or pumping effluent from dairy sheds, etc.

Heavy cast iron construction, dual silicon nitride seals and an additional lip seal to protect the motor.

The pump can be used on applications where normal pumps become clogged, suction strainers are inadequate or the water contains problem material.

Performance



Sump pumps *shrouded impeller*



Model SP500

Model SP500 750 watt

The pump has a wide shrouded impeller which can pump up to **25 mm** soft solids.

Heavy cast iron construction, dual silicon nitride seals and an additional lip seal to protect the motor.

Capable of pumping large quantities of storm and sullage water, sand, from cellars, septic tanks, car parks, etc.



Model SP617

Model SP617 1500 watt

The pump is similar to the SP500 but larger. It has a wide shrouded impeller which can pump up to **25 mm** soft solids.

Heavy cast iron construction, dual silicon nitride seals and an additional lip seal to protect the motor.

Capable of pumping large quantities of storm and sullage water, sand, from cellars, septic tanks, car parks etc.



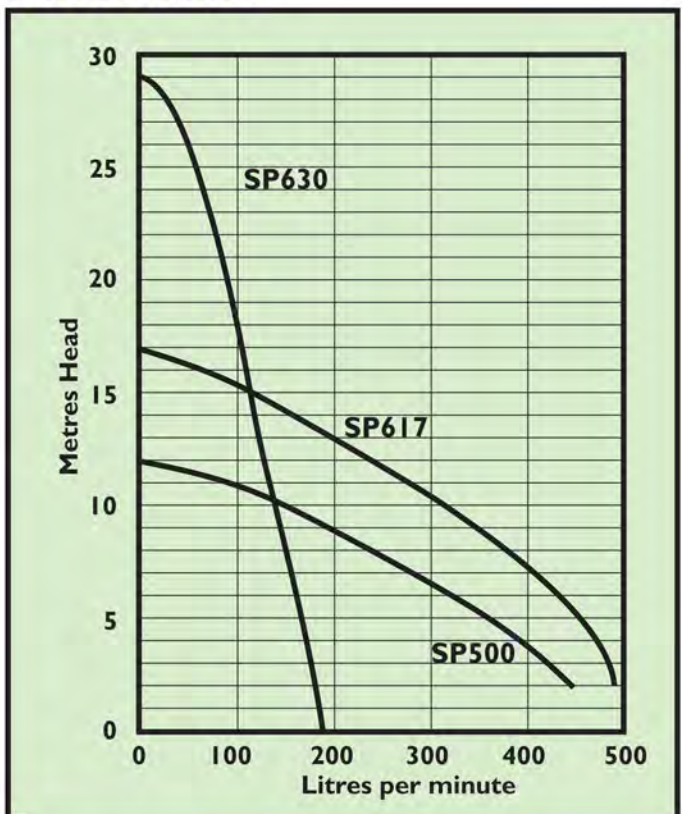
Model SP630

Model SP630 1100 watt

The pump has a high pressure single stage shrouded impeller and is suitable for clean water or grey water with at best some small soft solids. Supplied with stainless steel suction strainer. Suitable for sullage and septic tank effluent.

Heavy cast iron construction, dual silicon nitride seals and an additional lip seal to protect the motor.

Performance



Stainless Steel Sump Pump

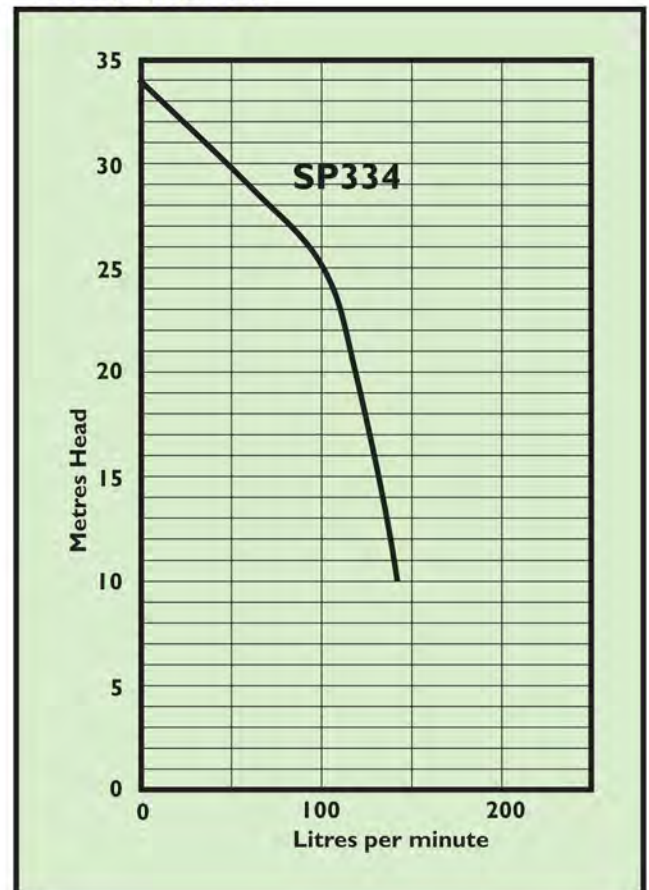
SP334 High Pressure

High pressure single stage stainless steel pump with wide impeller for good tolerance to soft solids. Suitable for supplying houses from rain water tanks and subsoil grey water irrigation. The pump is submersed to ensure quiet running.



Model SP334

Performance



Shrouded Impeller

Good for high head, but solids handling is limited by impeller width. Ideal for storm water, septic tanks and other uses where the solids pumped do not exceed 90% of the impeller width.



Sump pumps grinder and cutter

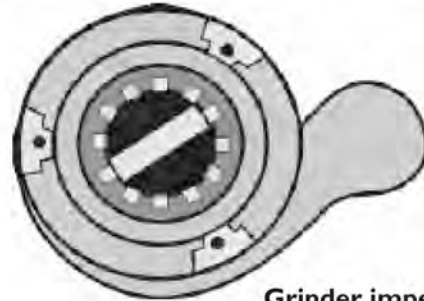


Model SP700G

Grinder

Model SP700G 1100 watts

Uses a hardened grinder blade so that oversize rubbish in the incoming water is reduced in size and does not clog the pump — capable of pumping a difficult mix of water and stringy solids. Dirty water, screened sewage, sullage, storm water or pumping effluent from abattoirs, piggeries, etc. Can be used on applications that would clog most pumps. Pump is designed for pumping long stringy items mixed with water.



Grinder impeller action

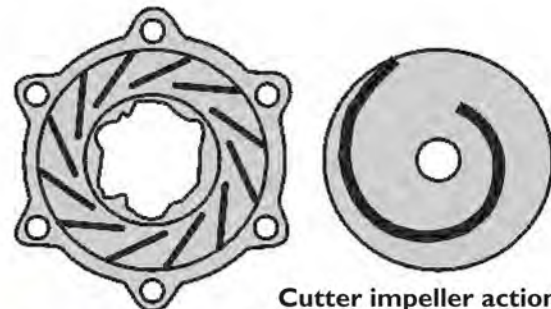
Cutter

Model SPC700 1100 watts

Uses a hardened cutter plate so that large items in the incoming water are reduced in size and do not clog the pump — capable of pumping a difficult mix of water and solids. Dirty water, sewage with small sanitary items, sullage, storm water or pumping effluent from abattoirs, etc. Can be used on applications that would clog most pumps. Pump is designed for pumping large items mixed with water.

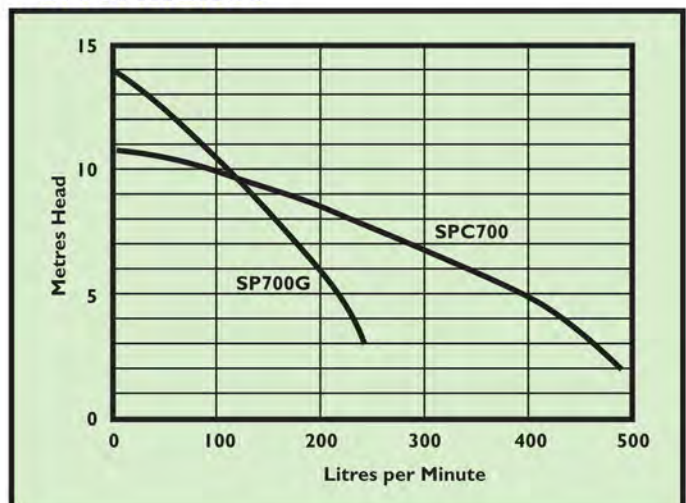


Model SPC700



Cutter impeller action

Performance



1440 RPM pumps are under less strain than 2800 RPM pumps. They are suitable for continuous rating and give long and reliable operating life, the seal runs slowly, the motor bearings and windings are less stressed and pump parts wear less.

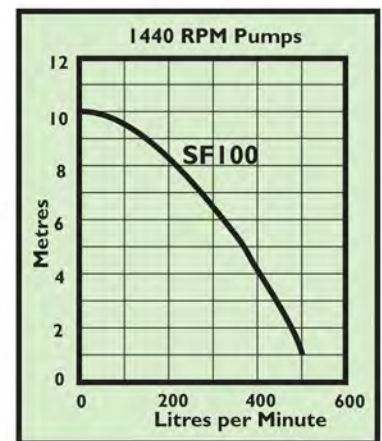


Model SF100

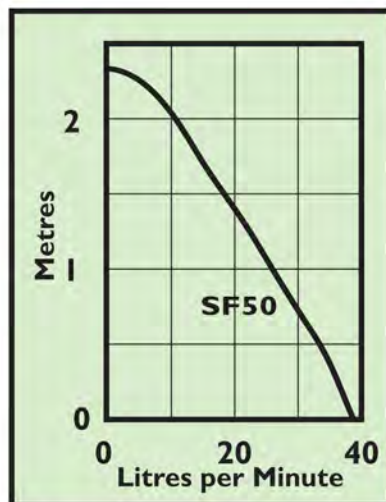
SF100 - Features

- 1440rpm slow speed
- Continuously rated
- Vertical or horizontal installation
- Ultra quiet operation
- Triple seals - Oil bath chamber
- 6m electrical lead

Suitable for fountains, applications where noise must be limited, where reliability is very important or industrial use.



Model SF50



Max head 2.3 M - Max flow 38 lpm

SF50 - Features

- 1440rpm slow speed
- Continuously rating
- Operated in or out of water
- Vertical or horizontal installation
- Ultra quiet operation
- Anti clog Vortex impeller
- Triple seals - Oil bath chamber
- 3m electrical lead.

Fountain installation

- Water to be pumped cannot exceed 45°C.
- Standing water level must not exceed 3m above pump

Dimension • Weights

Width 140mm Height 220mm Weight 3kg

