

BETA 1000 & BETA 1200 – Submersible Multistage Pressure Pump

- with integrated pressure-switch
- ideal for garden irrigation - BETA 1000 and BETA 1200
- domestic water supply via BETA 1200 X with 1¼" (FT) stainless steel suction inlet; for connection of floating suction filters
- installation in rain collector units, cistern tanks and wells



Operation

BETA Series pumps operate with an integrated pressure-switch. This automatically switches the pump "ON" and "OFF" according to usage and varying pressure levels. The pressure-switch also ensures the „dry-running protection“ of the pump in the event of low water level in the tank reservoir.

Suction Phase

When commencing operation (suction phase) the pump will operate for 30 seconds and switch off if there is no water inside the tank. This suction phase cycle will be repeated 4 times with a brief 3 second pause in between each attempt. After this, the BETA pump will be switched off for 1 hour before the suction phase cycle recommences. Should this fail also (no water), then the pump will be switched off for 5 hours. After that, the BETA will recommence the suction phase cycle every 24 hours until a sufficient water level has developed inside the tank to allow normal operation.

Normal Operation

In the event of minimal water demand (e.g. pipe leakage, dripping tap, defect seals on toilet flush-reservoirs) the BETA will switch on to ALARM-Mode for 1 hour before beginning with the suction phase.

Furthermore, the BETA is also protected against occurring defects of the integrated non-return valve. The function of the non-return valve can be impeded by accumulating dirt residue. Dirt residue can for instance prevent the non-return valve from closing, which would result in the BETA operating even if there is a low water level. Therefore, the BETA is switched off automatically every hour resulting in a slight pressure decrease for a few seconds. If the non-return valve is blocked the BETA will switch to ALARM-Mode and will not recommence the operation until the fault has been rectified (cleaning and operating of the pump in clean water – ensure pumped medium is clean).

The BETA should be completely submerged when operating!

Models BETA 1000, 1200 & BETA 1200 X

The BETA 1000 and BETA 1200 are equipped with a stainless steel suction sieve (gardening irrigation).

The BETA 1200 X is equipped with a with 1¼" (FT) stainless steel suction inlet for connection of floating suction filters (domestic water supply).

Further Information

Dirt sediments should not enter the pump chamber.

The BETA pump is only suitable for clear, clean and filtered (rain-)water. The maximum sustainable temperature of the medium is 35°C!

The BETA must **not** be used to pump saltwater, sewage, ignitable/explosive liquids or mediums with oil.

Installation of the BETA

Please adhere to the local electrical guidelines in your area.

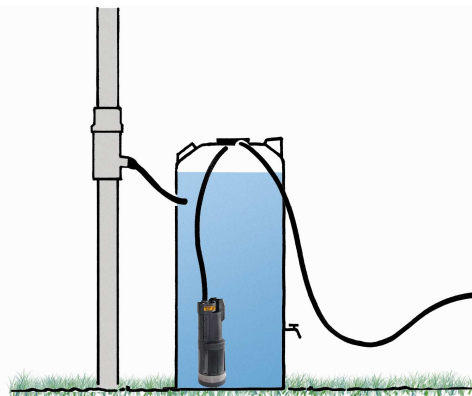
1. Please observe the technical details on the pump casing before installing the BETA and check if the pump casing and cable have not been damaged during transport.
2. The electric supply must be fused $\leq 30\text{mA}$.
3. Submerged operation is mandatory at all times. During low water level the pump must be switched-off.
4. Vertical Operation only – use the fastening rope included or other suitable item to hold the pump in an upright position at all times on the tank base.
5. When servicing the tank chamber, the BETA pump **must** be disconnected from the electric power supply!

Failure to comply with the above mentioned instructions and designated usage renders warranty invalid. Any resulting damage to property / personal damage do not lie within the responsibility of the manufacturer (supplier).

Please contact your supplier for technical assistance!

ACCESSORIES for BETA 1200 X

- Fine Floating Suction Filter with 1m hose
- Coarse Floating Suction Filter with 1m hose



Performance Details

