

# Direct Pumps & Tanks Ltd

## Sewbox pumping station

### COLLECTION AND PUMPING STATIONS FOR DIRTY WATER

The *Sewbox* are pre-assembled ready-for-use automatic pumping stations. Particularly suitable when the water from drains is collected at a lower level than the main sewer.

The standard pumping station consists of PRIOX submersible pump.



### Electric pump motor

- Dry motor
- Level of protection IP68
- Class F insulation
- Single phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Completely insulated cable connection chamber
- Speed of rotation 2850rpm
- Self lubricating ball bearings

### Usage limitations

- Type of liquid: water with suspended solids of a maximum dimension of 40mm
- Maximum liquid temperature 40°C
- Minimum drainage level 60mm

### Design features

The standard pumping station consists of:

- **Tank**  
in polyethylene with a capacity of 175l.  
The closing lid is supplied with O-ring.  
It warrants liquid seal and possible gas locks.
- DN 110 inlet, 2" outlet and DN 50 vent connection
- **Plug**  
With thermal protection and test-push button
- PRIOX 300/9AUT, PRIOX 460/13 MAUT submersible pump

### PRIOX DESIGN FEATURES

Component	Material	
Pump casing	X 5CrNi 1810 (AISI 304) Stainless steel	
Suction base	X 5CrNi 1810 (AISI 304) Stainless steel	
Impeller	X 5CrNi 1810 (AISI 304) Cast stainless steel	
Power cable	10m H07 RN-F	
Motor shaft	X 12 CrNi 1809 (AISI 416) Stainless steel	
Mechanical seal	Silicium carbide	Oil chamber for seal lubrication
Counterface	Silicium carbide	
Secondary seal	NBR rubber lip seal	
V-ring sand protection	NBR rubber	

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