

GRUNDFOS Stainless Steel Wastewater Pumps For Transfer Of Effluent And Domestic Sewage

Pumped liquids

- Grey wastewater
- Wastewater with many fibres
- Water containing sludge
- Screened sewage containing suspended solids
- Domestic sewage

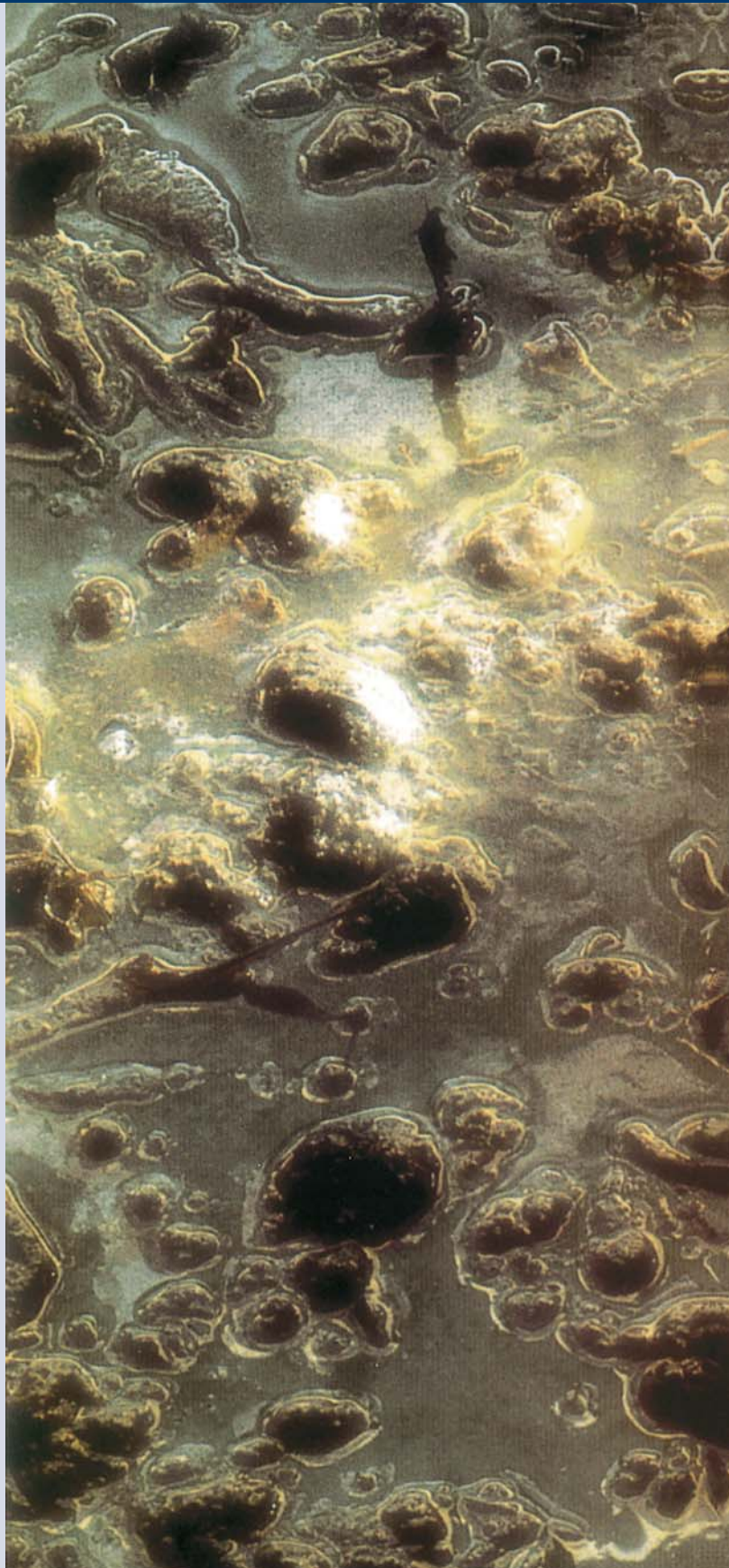
Applications

The AP35B pumps with 35 mm free passage are the right choice for:

- ground water lowering in drainage pits
- pumping from surface water pits with inflow from roofs, gutters, shafts, tunnels, etc.
- emptying of tanks, pools, ponds and vessels
- pumping of wastewater without discharge from water closets.

The AP50B pumps with 50 mm free passage are the preferred pumps for:

- pumping sewage from residential buildings
- pumping of fibre-containing wastewater from laundries and industries.

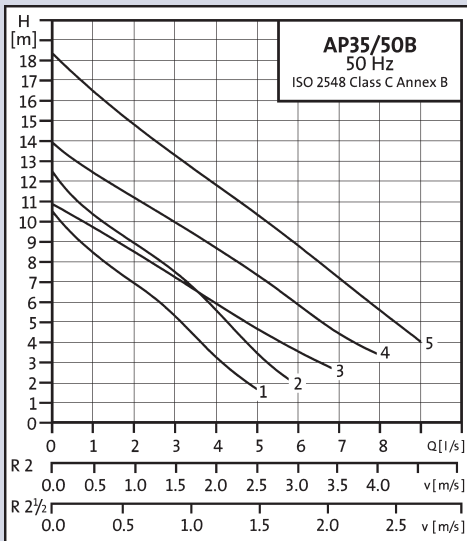




Key Features

- Stainless steel pumps (AISI 304).
- Removable ring stand (polycarbonate).
- Easy handling. Dismantling and re-assembly of motor and pump housing by means of clamps.
- Double shaft seal system with intermediate oil chamber.
- Suitable for installation on auto-coupling system as well as for free-standing installation.
- Automatic / manual operation.
- Built-in capacitor (1-phase version).
- Built-in overheating protection (1-phase version).
- Vortex impeller (AISI 304).
- Continuous operation with fully submersed motor.
- Light weight.
- Handle for portable use.

Performance range



Product range

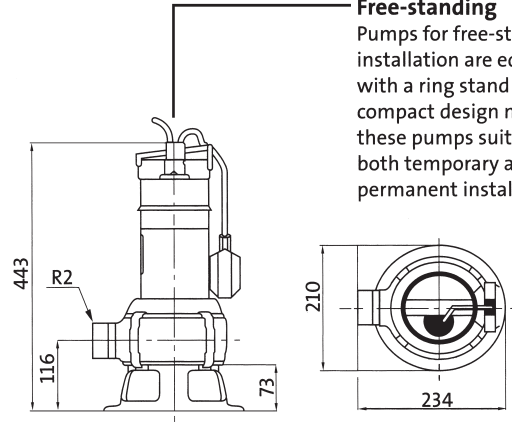
Pumps with 1-phase motor have incorporated thermal overload protection and require no additional motor protection. Single-phase pumps are available with integrated float switch for automatic start and stop of the pump. Pumps with 3-phase motor must be connected to an external motor starter.

| Curve | Pump type | Motor | P1 kW | P2 kW | Max solid size | Discharge | Max liq. temp. (°C) | Cable length (m) | Weight (kg) | Float switch |
|-------|-------------|---------------------|-------|-------|----------------|-----------|---------------------|------------------|-------------|--------------|
| 1 | AP35B.50.06 | 1-phase 1 x 230V | 0.99 | 0.66 | 35 mm | R2 | 40 | 10/5 | 6.8 | ▲ / ■ |
| 1 | AP35B.50.06 | 3-phase 3 x 400V | 0.95 | 0.63 | 35 mm | R2 | 40 | 10/5 | 7.4 | ■ |
| 2 | AP35B.50.08 | 1-phase 1 x 230V | 1.22 | 0.71 | 35 mm | R2 | 40 | 10/5 | 10.1 | ▲ / ■ |
| 2 | AP35B.50.08 | 3-phase 3 x 400V | 1.23 | 0.78 | 35 mm | R2 | 40 | 10/5 | 8.4 | ■ |
| 3 | AP50B.50.08 | 1-phase 1 x 230V | 1.20 | 0.74 | 50 mm | R2 | 40 | 10/5 | 10.1 | ▲ / ■ |
| 3 | AP50B.50.08 | 3-phase 3 x 400V | 1.20 | 0.8 | 50 mm | R2 | 40 | 10/5 | 8.4 | ■ |
| 4 | AP50B.50.11 | 1-phase 1 x 230V | 1.75 | 1.21 | 50 mm | R2 | 40 | 10/5 | 10.2 | ▲ / ■ |
| 4 | AP50B.50.11 | 3-phase 3 x 400V | 1.75 | 1.31 | 50 mm | R2 | 40 | 10/5 | 9.7 | ■ |
| 5 | AP50B.50.15 | 3-phase 3 x 400V | 2.15 | 1.5 | 50 mm | R2 | 40 | 10/5 | 10.0 | ■ |

Installation

Free-standing

Pumps for free-standing installation are equipped with a ring stand and the compact design makes these pumps suitable for both temporary and permanent installation.



Auto-coupling

AP35B and AP50B pumps are designed for installation on an auto-coupling guide rail system which is available as an accessory. The auto-coupling system enables automatic connection or disconnection of the pump from outside the pit.

