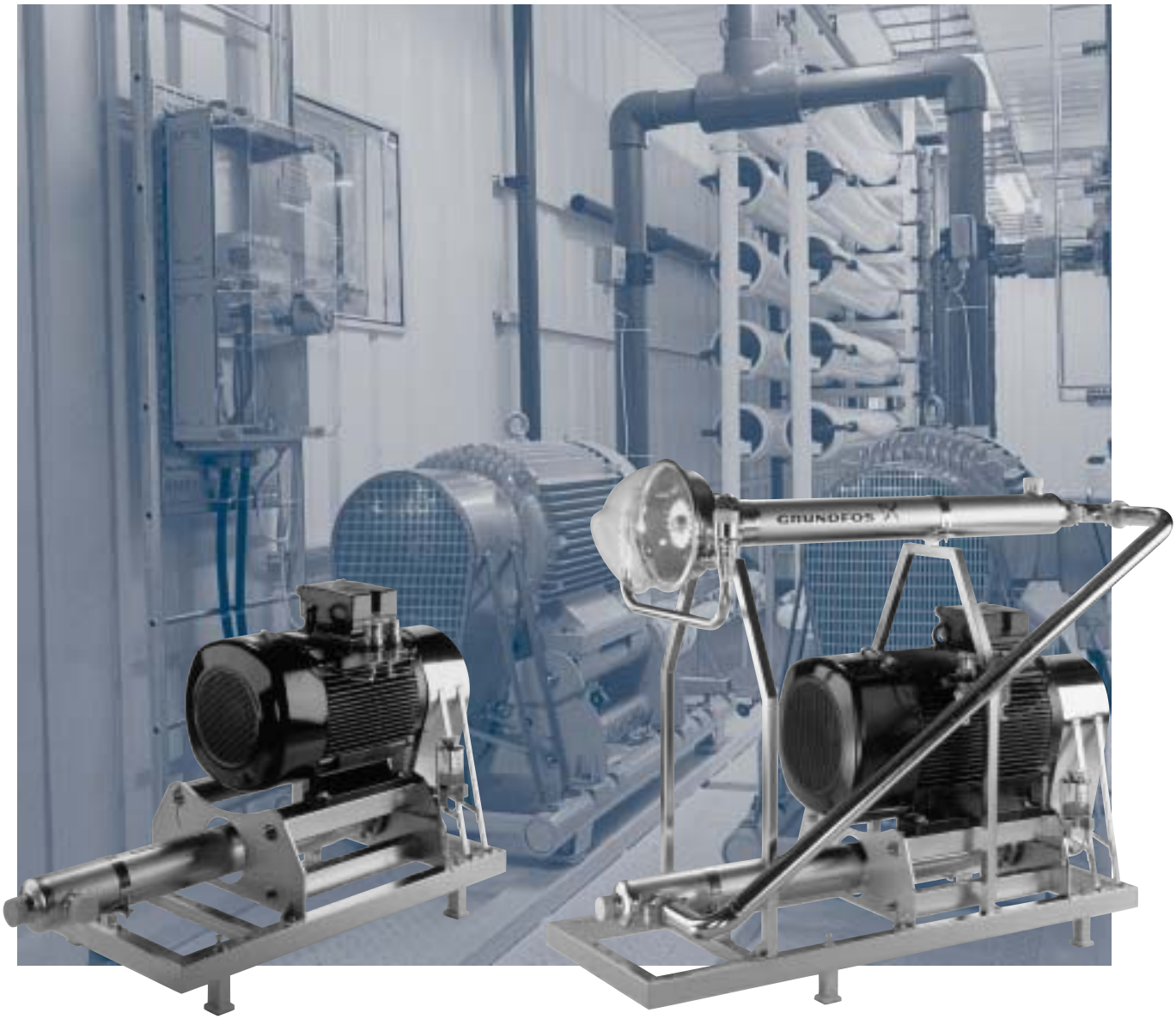
BME, BMET

High-Pressure Booster Modules
50/60 Hz



Applications

- Water treatment in ultra-filtration systems.
- Water treatment in reverse osmosis systems.
- Water pressure boosting systems.
- Water supply.

Operating conditions

Flow:	20-95 m³/h.
Head:	Max. 70 bar.
Ambient temperature:	According to IEC.
Inlet pressure:BME:	1-30 bar.
	BMET:2-5 bar.

Construction

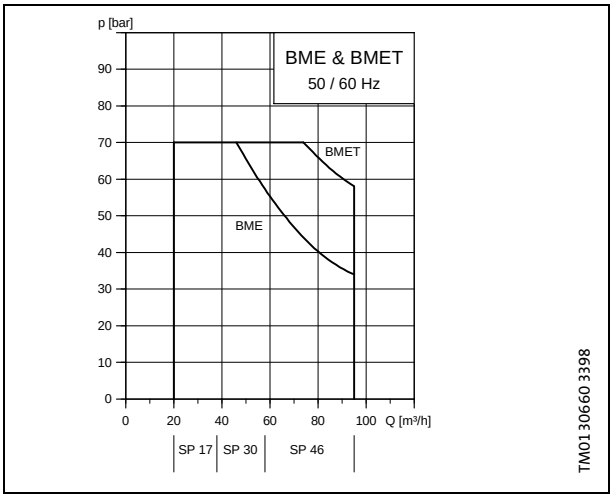
Grundfos multi-stage submersible pump built into a stainless steel sleeve. The pump is powered via a v-belt pulley head by means of an electric standard motor. The pulley ball bearing features an automatic lubricating and cooling system.
The axial thrust from the pump is absorbed by a built-in thrust bearing.
BMET modules consist of a BME module with a second Grundfos submersible pump which is powered via a Pelton turbine and connected in series with the first pump. The modules are designed for use in reverse osmosis systems where the energy from the resulting high-pressure concentrate is recovered by the turbine. This gives energy savings of up to 34% compared to conventional systems. The shaft seal is made of carbon/silicon carbide, specially designed for high pressures.
The rubber bearings in the pump are water-lubricated, and ball bearings in the motor are grease-lubricated.

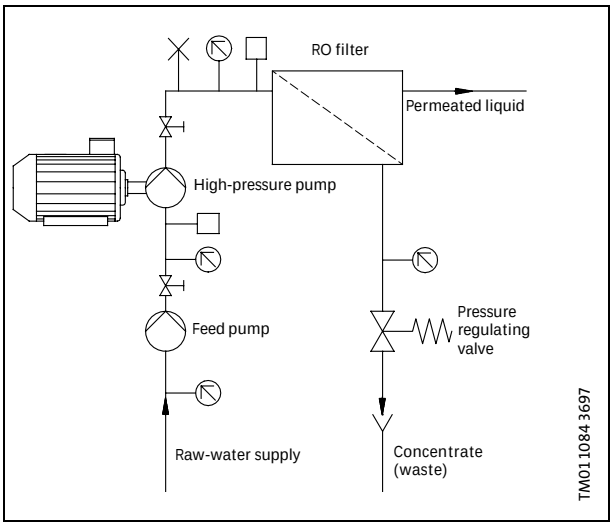
Connections

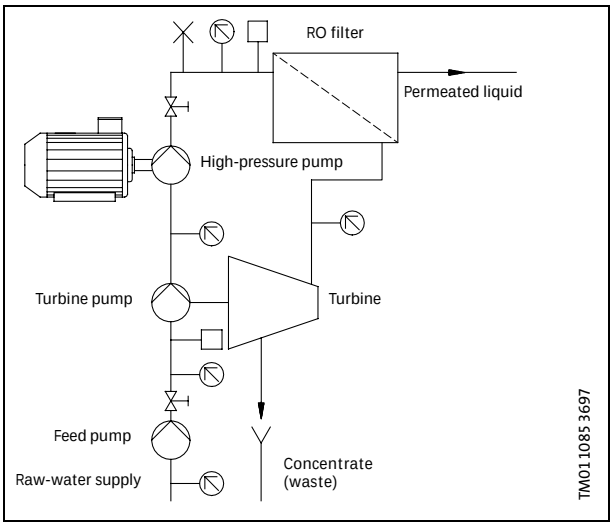
Suction and discharge connections: PJE (Victaulic) coupling 3", ø76 mm.
Outlet, turbine: Hose connection ø300 mm.

Product features

- High-grade stainless steel used in pump and frame.
- Large flows and high heads.
- Energy recovery up to 34% means very short payback time for turbine pump module (BMET).
- Motor and bearings are standard components.
- Maintenance-free shaft seal.
- V-belt drive with high efficiency.
- Easy to start up.
- Easy to dismantle for service.







V7 08 97 80 11 02
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Subject to alterations.

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