

# BMP Booster Clean water

## ➤ BMP Booster

The new Grundfos BMP axial piston pump is suitable for clean water applications such as washing and cleaning systems, fire fighting, high-pressure systems and other demanding tasks.

The BMP is a positive displacement swashplate water pump. The pump is designed to handle industrial tap water processes.

The new Grundfos BMP features a total efficiency of up to 88 % and reduced pressure peaks due to the multiple piston design. It is an excellent choice whenever you need a reliable and compact pump for medium and high pressures.



## Features and benefits

- ▶ **Low energy consumption**  
Total efficiency up to 88 % – among the most efficient on the market.
- ▶ **Minimal service required**  
No oil lubrication is necessary: the medium itself lubricates the pump. No need for frequent service: the mechanical shaft seal is the only seal in the pump.
- ▶ **Corrosion resistance**  
All parts that come in contact with the pumped liquid are made from stainless steel and polymer, ensuring resistance to water and low-viscosity fluids.
- ▶ **High-pressure operation**  
The pump operates continuously at discharge pressures between 10 and 160 bar (145 – 2300 psi). Products operating at higher discharge pressures are available upon request.
- ▶ **Wide flow range**  
Flow is controlled by the speed of the motor (700 – 1800 rpm). A single BMP pump size can handle a wide flow range at the same head.
- ▶ **Low pulsation**  
A design featuring up to nine pistons reduces pressure pulsations in the discharge line down to 1.5 %, making pulsation dampers unnecessary. In addition, installation costs are reduced.
- ▶ **Compact design**  
The BMP is the most compact pump on the market, giving system builders a free hand to design more compact systems.

### Technical data: BMP 0.2-0.6

Flow	BMP 0.2:	2.6 l/min.
	BMP 0.4:	6.0 l/min.
	BMP 0.6:	10 l/min.
Discharge pressure		10 to 140 bar
Inlet pressure		Min. 1 bar abs. and max. 5 bar abs.
Pump rpm		700 – 1800 rpm
Motor size at 140 bar	BMP 0.2:	1.5 kW
	BMP 0.4:	2.2 kW
	BMP 0.6:	4.0 kW
Weight	BMP 0.2:	31 kg
	BMP 0.4:	36 kg
	BMP 0.6:	51 kg

### Technical data: BMP 1.0-3.2

Flow	BMP 1.0:	16.0 l/min.
	BMP 1.2:	20 l/min.
	BMP 2.5:	41 l/min.
	BMP 3.2:	53 l/min.
Discharge pressure		10 to 160 bar
Inlet pressure		Min. 1 bar abs. and max. 5 bar abs.
Pump rpm		700 – 1800 rpm
Motor size at 160 bar	BMP 1.0:	7.5 kW
	BMP 1.2:	7.5 kW
	BMP 2.5:	15 kW
	BMP 3.2:	18.5 kW
Weight	BMP 1.0:	82 kg
	BMP 1.2:	82 kg
	BMP 2.5:	117 kg
	BMP 3.2:	146 kg

### Technical data: BMP 6.2-8.0

Flow	BMP 6.2:	103 l/min.
	BMP 7.0:	116 l/min.
	BMP 8.0:	134 l/min.
Discharge pressure		10 to 160 bar
Inlet pressure		Min. 1 bar abs. and max. 5 bar abs.
Pump rpm		700 – 1800 rpm
Motor size at 160 bar	BMP 6.2:	37 kW
	BMP 7.0:	45 kW
	BMP 8.0:	45 kW
Weight	BMP 6.2:	321 kg
	BMP 7.0:	361 kg
	BMP 8.0:	361 kg

Inlet-outlet port in accordance with ISO 1179, EO 24gr. cone end.

