

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, high-pressure systems and other demanding tasks.

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

The BMP features a total efficiency of up to 88% and reduced pressure peaks due to the multiple piston design. The BMP 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 pumped liquid 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 145 – 2320 psi (10 and 160 bar). Models 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, which in turn allows system builders to design more compact systems.

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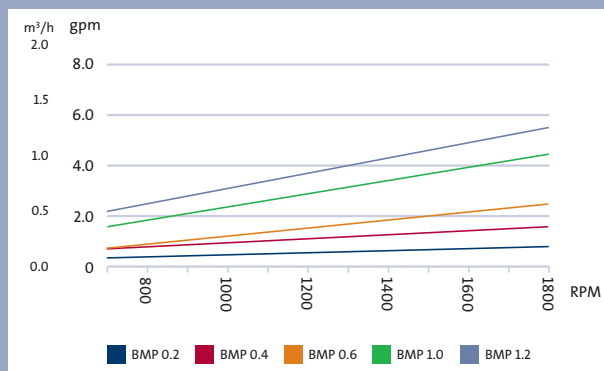
Technical data: BMP 0.2-0.6		
Flow	BMP 0.2:	0.9 gpm (3.3 l/min)
	BMP 0.4:	1.8 gpm (6.6 l/min)
	BMP 0.6:	2.6 gpm (10.0 l/min)
Discharge pressure	145 to 2030 psi (10 to 140 bar)	
Inlet pressure	Min. 14.5 psia (1 bar abs)	
	Max. 72.5 psia (5 bar abs)	
Pump rpm	700 – 1800 rpm	
Motor size at 2030 psi (140 bar)	BMP 0.2:	2 hp (1.5 kW)
	BMP 0.4:	3 hp (2.2 kW)
	BMP 0.6:	5 hp (4.0 kW)
Net weight	BMP 0.2:	69 lbs. (31 kg)
	BMP 0.4:	80 lbs. (36 kg)
	BMP 0.6:	111 lbs. (50 kg)

Technical data: BMP 1.0-3.2		
Flow	BMP 1.0:	4.4 gpm (16.6 l/min)
	BMP 1.2:	5.3 gpm (20.0 l/min)
	BMP 2.5:	11.0 gpm (41.6 l/min)
	BMP 3.2:	14.1 gpm (53.3 l/min)
Discharge pressure	145 to 2300 psi (10 to 160 bar)	
Inlet pressure	Min. 14.5 psia (1 bar abs)	
	Max. 72.5 psia (5 bar abs)	
Pump rpm	700 – 1800 rpm	
Motor size at 2320 psi (160 bar)	BMP 1.0:	10 hp (7.5 kW)
	BMP 1.2:	10 hp (7.5 kW)
	BMP 2.5:	20 hp (15 kW)
	BMP 3.2:	25 hp (18.5 kW)
Net weight	BMP 1.0:	181 lbs (82 kg)
	BMP 1.2:	181 lbs (82 kg)
	BMP 2.5:	258 lbs (117 kg)
	BMP 3.2:	322 lbs (146 kg)

Technical data: BMP 6.2-8.0		
Flow	BMP 6.2:	27.3 gpm (103.3 l/min)
	BMP 7.0:	30.8 gpm (116.6 l/min)
	BMP 8.0:	35.2 gpm (133.3 l/min)
Discharge pressure	145 to 2300 psi (10 to 160 bar)	
Inlet pressure	Min. 14.5 psia (1 bar abs)	
	Max. 72.5 psia (5 bar abs)	
Pump rpm	700 – 1800 rpm	
Motor size at 2320 psi (160 bar)	BMP 6.2:	50 hp (37 kW)
	BMP 7.0:	60 hp (45 kW)
	BMP 8.0:	60 hp (45 kW)
Net weight	BMP 6.2:	575 lbs (261 kg)
	BMP 7.0:	707 lbs (321 kg)
	BMP 8.0:	796 lbs (361 kg)

Subject to alterations

BMP at max. pressure



BMP at max. pressure

