Boosting Pumps

GRUNDFOS **BMS**

The BMS range of booster modules are primarily used for reverse osmosis and ultrafiltration applications. The new range offers efficiency improvements compared to earlier ranges. It features a directly coupled pump powered by an asynchronous motor and variable frequency drive. Additionally, the improved design makes maintenance and service easier than ever.

KEY FEATURES AND BENEFITS

- Plug and pump solution is configured at the factory to ensure easy installation and start-up
- High speed, asynchronous motor provides improved efficiency with speed range of 4,500-5,500 rpm, creating high pressure of up to 1,200 psi (82.7 bar)
- Intelligent variable frequency drive controls the speed of the asynchronous motor, providing advanced possibilities for communication and featuring functionalities such as overload protection while running, auto ramp up/down and online log-on
- An innovative design that provides easy access to the shaft seal and thrust bearing of the pump makes maintenance and alignment quick and easy
- Only three tools are needed to take pump apart: 17mm &19mm open-end wrenches and 5 mm allen wrench
- All wet-end components are Super Duplex and 904L stainless steel suitable for use in seawater and brackish water applications
- Shaft seal is made from ceramic/silicon carbide, for high-pressure applications
- Built-in ceramic and carbon thrust bearing absorb the axial thrust from the pump, and thrust bearing arrangement and NBR rubber pump bearings are water lubricated, maximum durability
- Six digital and/or analog inputs and outputs are available
- Easily integrated in any water treatment system
- Designed for high flows and pressure
- Built-in check valve

APPLICATIONS

- Reverse osmosis systems
- Ultrafiltration
- Filtration systems
- Pressure boosting systems and water supply
- Irrigation

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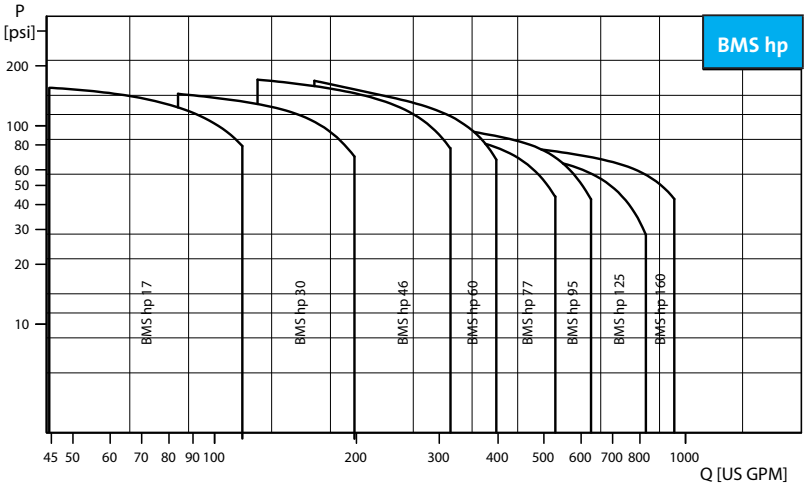
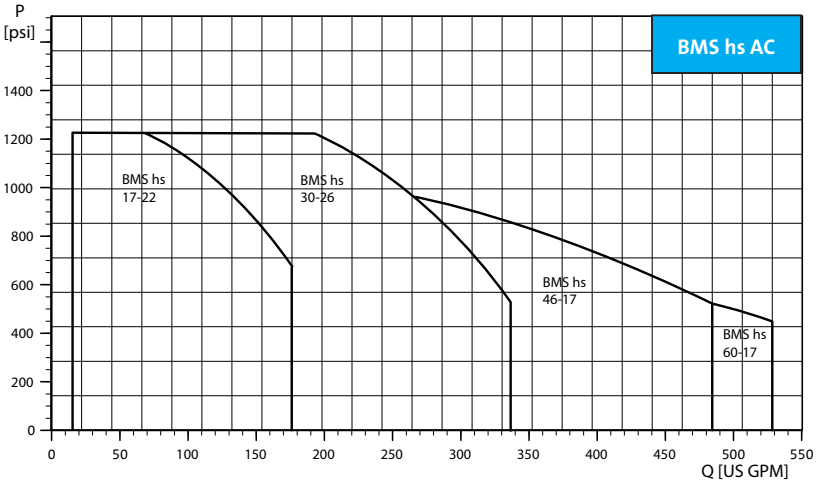
TECHNICAL DATA

BMS HP INFORMATION	
FLOW, Q:	max. 946 gpm (215 m³/h)
OPERATING PRESSURE:	max. 1200 psi (82.7 bar)
LIQUID TEMPERATURE:	max. 104°F (40°C)

BMS HS SERIES INFORMATION	
FLOW, Q:	max. 530 gpm (120 m³/h)
OPERATING PRESSURE:	max. 1200 psi (82.7 bar)
LIQUID TEMPERATURE:	max. 104°F (40°C)

PERFORMANCE DATA





Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.

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