Boosting Pumps

GRUNDFOS **BMS**

The BMS range booster modules are mainly used for reverse osmosis and (ultra-)filtration applications that improve efficiency compared to earlier ranges. It features a directly coupled pump powered by a permanent magnet motor and variable frequency drive. An improved design makes maintenance and service easier than ever.

Key Features and Benefits

- Plug and pump solution is configured from factory, ensuring easy installation and start-up
- High speed, permanent magnet motor provides improved efficiency with speed range of 4,000 to 5,000 rpm creating high pressure of up to 1,199 psi (82.7 bar)
- Improved motor also gives the BMS range a smaller footprint and drastically reduces the weight of the pump
- Intelligent variable frequency drive controls the speed of the permanent magnet motor, providing advanced possibilities for communication and featuring functionalities such as overload protection while running, auto ramp up/down and online log-on
- 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 needed to take pump apart: 17mm & 19mm ring/open-end spanner and 5mm allen key
- 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 carbon/silicon carbide, especially designed for high pressure
- 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, ensuring maximum durability
- Six digital and/or analog inputs and outputs available
- Easily integrated in any water treatment system
- Designed for high flows and pressure
- Built-in check valve

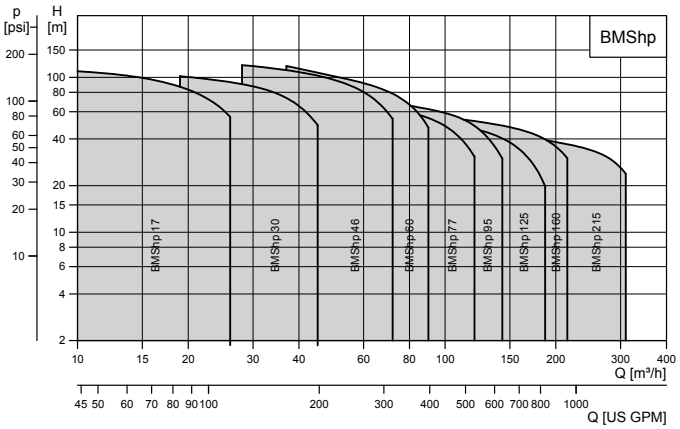
APPLICATIONS

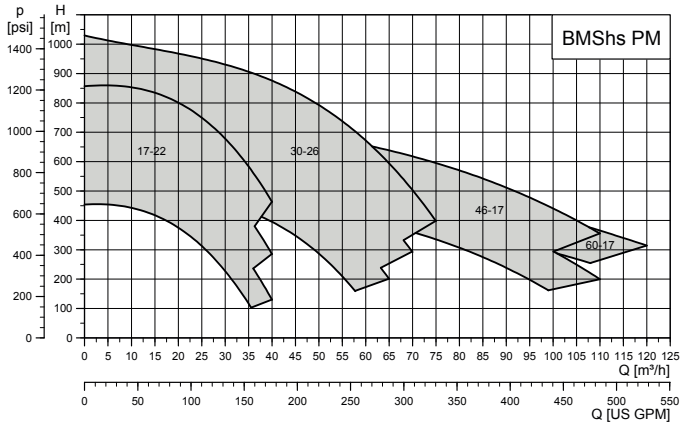
- Reverse osmosis systems
- Ultra filtration
- Filtration systems
- Pressure boosting systems and water supply

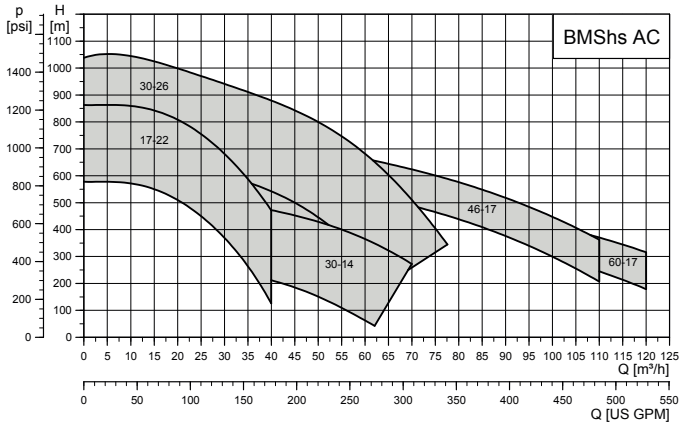
BMS Technical Data

BMShp Information	
Flow, Q:	max. 1364 gpm (310 m³/h)
Operating pressure:	max. 1200 psi (82.7 bar)
Liquid Temperature:	max. 104°F (40°C)

BMShs Information	
Flow, Q:	max. 530 gpm (120 m³/h)
Operating pressure:	max. 1200 psi (82.7 bar)
Liquid Temperature:	max. 104°F (40°C)







The name Grundfos, the Grundfos logo, and be think innovate are registered trademarks owned by Grundfos Holding A/S or Grundfos A/S, Denmark. All rights reserved worldwide.

L-BMS-SL-02 04-17

Grundfos
2001 Butterfield Rd, Ste 1700
Downers Grove, IL 60515

www.grundfos.us
www.grundfos.ca
www.grundfos.mx