



Making fluid energy work for you™



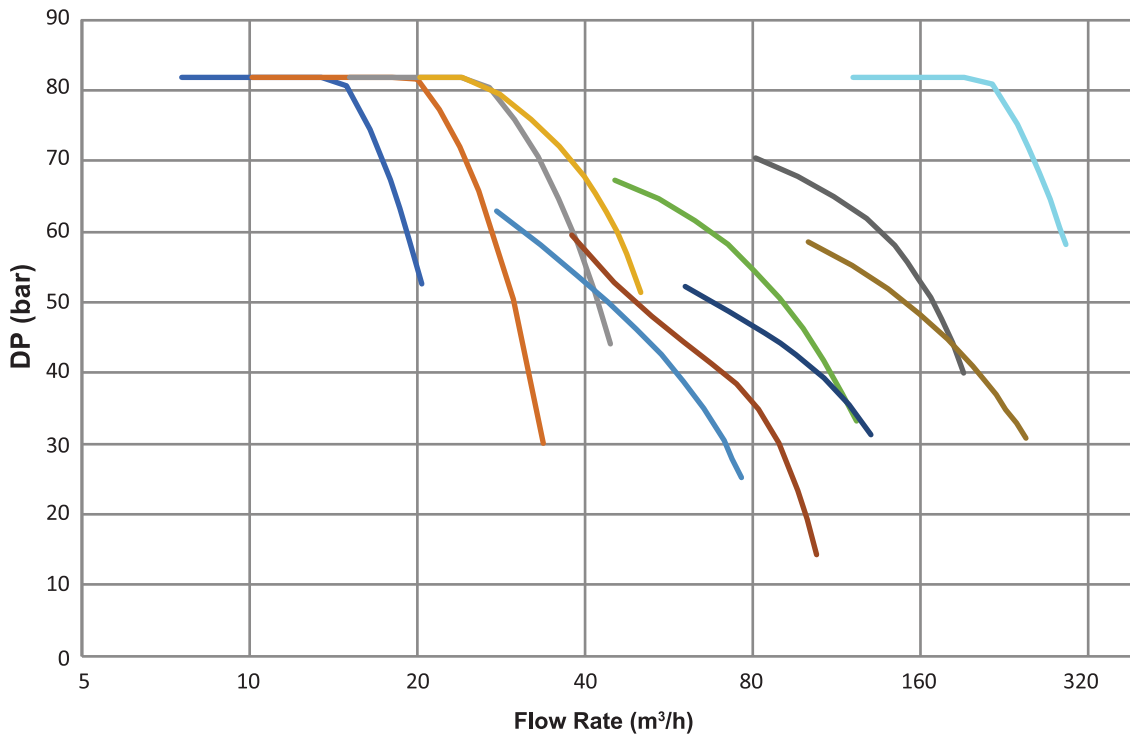
Multistage Centrifugal High Pressure Pump

Benefits

- ✓ Flow Rate: 7.5–295 m³/h (33—1299 gpm)
- ✓ Pressure: < 82 bar (1200 psi)
- ✓ High Inlet Pressure Option: < 80 bar
- ✓ Low Maintenance Design
- ✓ Easy Installation and Rapid Commissioning
- ✓ Smooth and Quiet Operation
- ✓ 18 Month Warranty as Standard
- ✓ Compact Footprint



Maximum Performance Range*



Model	Min. Flow (m ³ /h)	Max. Flow (m ³ /h)
MSS-15	7.5	20.5
MSS-20	10	34
MSS-30	15	45
MSS-40	20	51
MSS-55	27.5	77
MSS-75	37.5	105
MSS-90	45	124
MSS-120	60	132
MSS-16	80	193
MSS-200	100	250
MSS-240	120	295

*Maximum pressure rating using standard couplings. Pressure can be varied using variable frequency drives.

Features

Patented Water Bearing™ Technology

Super Duplex Investment Cast Construction

Mechanical Seal Cartridge Easily Accessible

Balanced Impellers

Rotatable Inlet Connection

Precision Leveling Feet for Easy Alignment

Low Maintenance Design

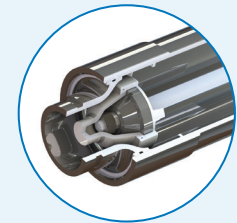


High Pressure, High Efficiency

- Horizontal multistage centrifugal pumps specifically designed for seawater and brackish water reverse osmosis (RO)
- Each MSS pump is custom built to customer flow and pressure requirements
- Designed for long life and to be maintenance-free
- Long product life and low maintenance design lowers the total cost of water for your RO system

Exclusive Water Bearing™ Technology

- Handles the entire thrust load generated by the impellers
- Shaft is kept in tension eliminating any problems that can stem from buckling
- Product water provides the lubrication, therefore grease or oil maintenance is eliminated



Horizontal Multistage Centrifugal Pump

OPERATING ENVELOPE

Flow Rate: 6–290 m³/h (26–1276 gpm)

Pressure: < 82 bar (1200 psi)

Liquid: Seawater, Brackish Water, Potable Water (20 microns)

Temperature: < 40 °C (104 °F)

MATERIALS

Shell: Super Duplex SS

Shaft: Super Duplex SS

Impeller: 316L

Stage Housing: Duplex SS

18 Month Warranty

Bearing: Non-metallic

Motor: Standard 2 Pole NEMA or IEC

Shaft Coupling: Flexible Disk Type

OPTIONAL FEATURES

Flanged Connections

High Pressure Seal Carrier

Variable Frequency Drive (VFD)

*Contact FEDCO for your custom option requirements

REVERSE OSMOSIS APPLICATIONS

Seawater and Brackish Water Oil & Gas

Industrial/Municipal Produced Water

Hotels/Islands/Resorts Water Reuse

Marine

SYSTEM UPGRADES

Contact FEDCO to upgrade your existing reverse osmosis desalination plant to state-of-the-art pumps and energy recovery devices.

FEDCO has a broad range of feed pumps, booster pumps, and energy recovery devices for seawater and brackish water reverse osmosis applications.



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