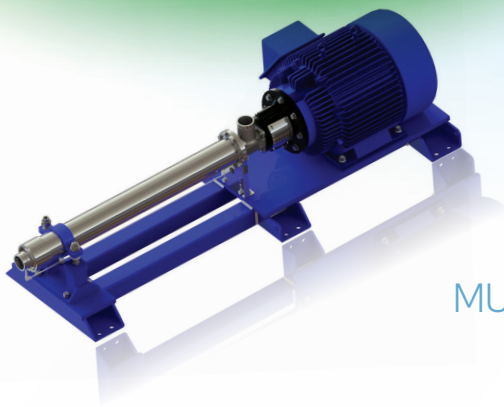


FEDCO IS THE INDUSTRY LEADER IN  
INNOVATIVE PUMPING SOLUTIONS



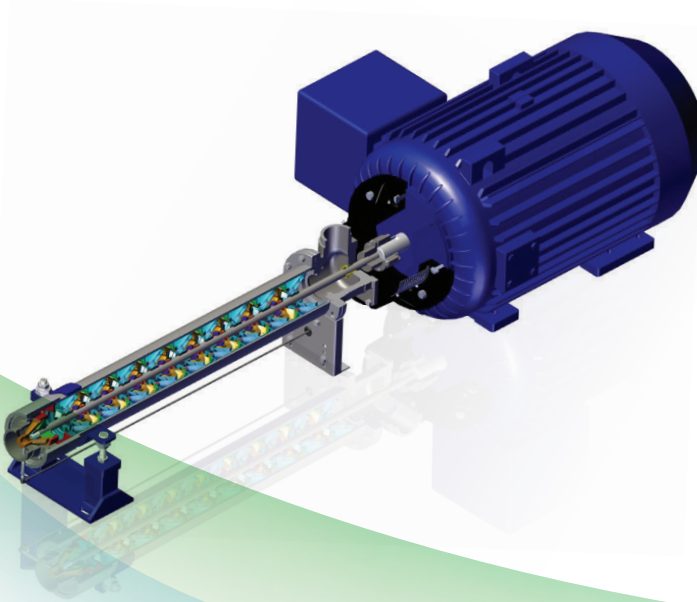
DESALINATION : REVERSE OSMOSIS

**MSS PUMP SERIES**

MULTISTAGE CENTRIFUGAL HIGH PRESSURE PUMP

## MSS Pump Series

The FEDCO MSS Pump Series are horizontal multistage centrifugal pumps specifically designed for seawater and brackish water reverse osmosis (RO) desalination. Each MSS pump is custom built to customer flow and pressure requirements. Designed for long life and to be maintenance-free, the FEDCO MSS pumps ensure years of reliable, trouble-free operation to increase the service of your capital equipment and provide low life cycle costs for your RO system.



Benefits:

Fully Custom Engineered

Patented Water Bearing™ Technology

Maintenance Free Design

Enhanced Corrosion Resistance

Highly Efficient

Reliable, Trouble-Free Operation

Compact Footprint

### Reliable, Simple Operation

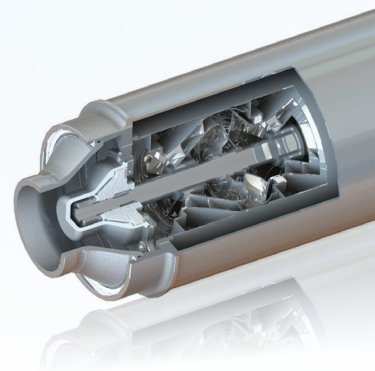
The FEDCO MSS feed pump for RO service is loaded with unique design features for reliable service and simple operation. The pump stages are passivated and electropolished for proven corrosion resistance. A precision leveling foot allows for easy shaft alignment. No oil or grease scheduled maintenance with the product lubricated bearing provide trouble-free operation.

### Best Value for High Pressure Pumping

FEDCO's MSS centrifugal high-pressure feed pumps are preferred by OEM's and end-users of RO systems for its large capacity range, energy efficiency, and maintenance free design. One MSS pump can handle the capacity of most small to medium RO systems with one pump, no need for two pumps in parallel to reach system flows or pressures. Operators looking for flexibility will find it with the rotating inlet connection, compact footprint, and energy efficient motor and variable frequency drive choices. Product lubricated Water Bearing™ technology maintenance free design, standard industry mechanical

seals for fast replacement, and enhanced corrosion resistance materials of construction make the MSS pump the best value to maintain low life cycle costs for RO systems.

PATENTED  
**water  
bearing**  
TECHNOLOGY



### Exclusive Water Bearing™ Technology

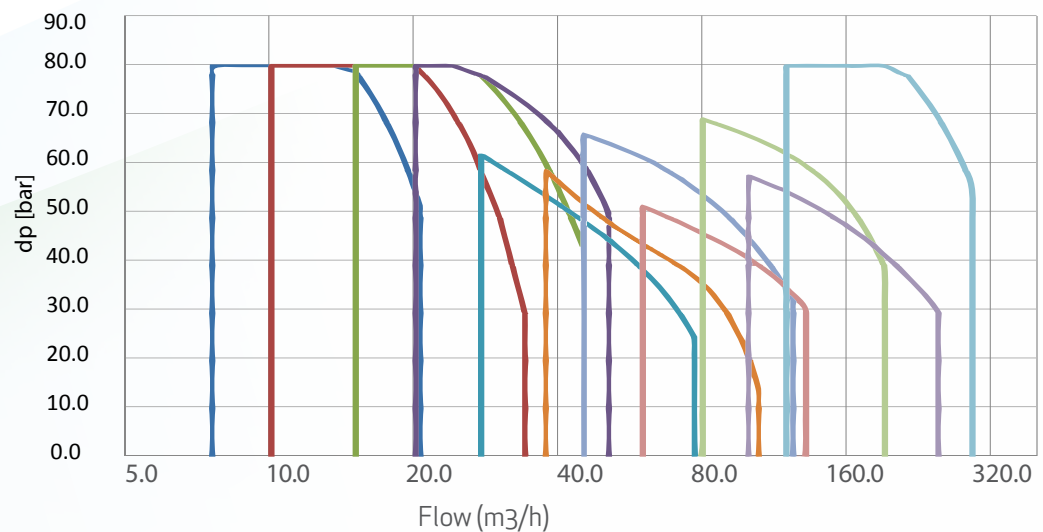
FEDCO's patented Water Bearing™ technology is designed to handle the thrust load generated by the impeller stages. The pump shaft is kept in tension for longer service. The product water provides the lubrication, no oil or grease maintenance.

## FEDCO Service & Support

FEDCO is ready to provide comprehensive service and support for our customers worldwide. Our service centers in India, Indonesia, Japan, Singapore, United Arab Emirates, United Kingdom, and United States allow us to provide local support of spare parts and service for all FEDCO equipment.

- Spare parts delivered fast
- Installation and commissioning
- Operator training
- Technical assistance
- On-site or off-site service

### Performance Range



## Horizontal, Multistage Centrifugal Pump

### Technical Info

Capacities: 6-290 m³/h  
(26-1276 gpm)

Pressures: 10- 83 bar  
(145-1200 psi)

Liquid: Seawater, brackish water,  
potable water, (20 microns)

Temperature: Up to 40 degrees C

### Materials

Shell: Duplex SS

Shaft: Duplex SS

Stages: 316L treated, 904

Casing: Duplex SS

Bearing: Non-metallic

Coupling: Flexible-Disk Type

Pipe Connections: Grooved End

Motor: Standard 2 Pole  
NEMA or IEC

18 month Warranty

### Options

Flanged Connections

High Pressure Seal

Variable Frequency Drive

(VFD) or Soft Starter

\*Contact FEDCO for your  
custom option requirements

### Reverse Osmosis Applications

Seawater and Brackish Water

Industrial/Municipal

Hotels/Islands/Resorts

Marine

Oil & Gas

Produced Water

Water Reuse

### Retrofits

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.



## Committed to Success

In business since 1997, Fluid Equipment Development Company or FEDCO is committed to being the industry leader in the design and manufacture of innovative fluid machinery. Our products are recognized for their superior quality and reliable performance in the reverse osmosis desalination market. We custom engineer highly efficient pumps and energy recovery devices that system builders and end users can depend on. We support customer operations worldwide with easy to use products and long-term relationships to offer the lowest life cycle cost of ownership. Let FEDCO provide the single source for your pumping equipment needs by making fluid energy work for you.™

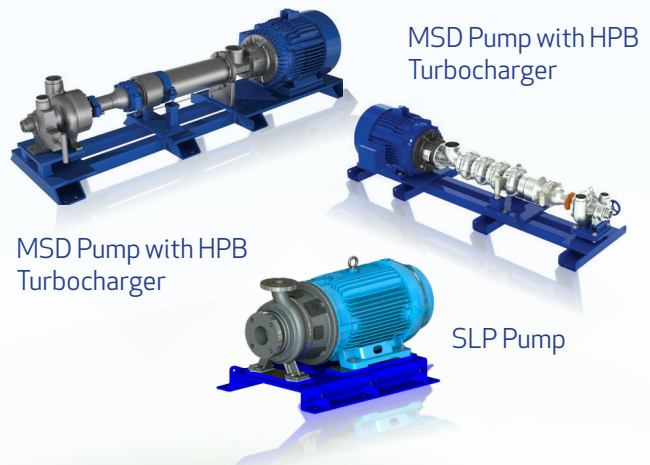
## Efficiency in Service & Support

Let us bring world class service to you. FEDCO is ready to provide service and on-site support for our equipment anywhere in the world. Our service team has many years of experience to assist our customers in installation, commissioning, troubleshooting, servicing and field site repairs. When plant optimiza-

tion is needed for modernizing or improving efficiency, our team can provide retrofit solutions for considerable savings potential. Other service support provided by our trained personnel are operator training on-site or at our sales and services offices in the USA and Dubai, UAE.

## FEDCO Pump and HPB Energy Recovery Device for the Most Dependable SWRO Package

Pair the HPB turbocharger energy recovery device with the FEDCO series MSS, MSD or SSD centrifugal feed pump for the industry standard in seawater reverse osmosis (RO) desalination packages. Complete your package with the low pressure feed and booster pump SLP Series.



## Global Network

- ★ FEDCO Sales Office
- FEDCO Representatives



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Fax: + (734) 241-5173, email: sales@fedco-usa.com  
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