



VANTAGE® MICRO FLEX SERIES REVERSE OSMOSIS UNITS

Vantage® MicRO Flex (or MFX) Series units are pre-engineered and pre-assembled, reducing your installation and start-up costs while maximizing performance and efficiency.

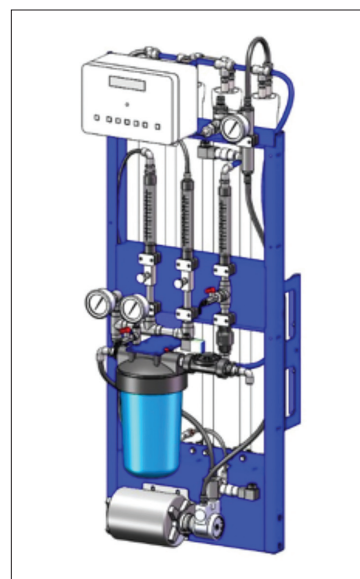
MFX units are fully factory tested and only require simple utility connections (feed water inlet, product water outlet, drains and power). MFX units arrive with reverse osmosis membranes installed and with minor set up, adjustments and flushing are ready for service. MFX units are simple to install, use and maintain.

MFX units are compact and versatile, with a small foot print allowing for maximum versatility in installation and use. Each unit can be installed either floor standing or easily wall mounted using the same leg brackets. An optional hinge can be ordered to enable easy access to the RO membranes by swinging the hinged unit away from the wall. MFX series offers innovative and cost effective options for customization to fit your unique high purity water needs.

The MFX System operating flow rates range from 0.8 gpm to 2.8 gpm based on the design parameters shown on the back page with the flexibility to choose either 2.5 inch or 4 inch, low energy, thin film composite RO membranes.

Each MFX unit includes:

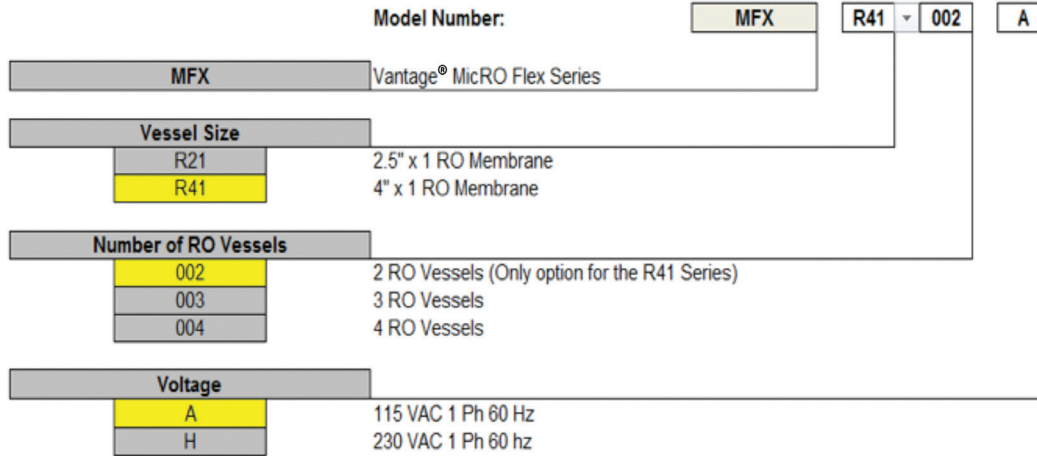
- User friendly RO controller for performance monitoring
- Positive displacement, rotary vane high pressure feed pump
- Low energy, polyamide, thin film composite reverse osmosis membranes
- Heavy duty, powder coated aluminum frame
- FRP end entry pressure vessels, available in 2.5" or 4" diameter



Wall Mounted Unit

SYSTEM PRODUCTION FLOW RATE SPECIFICATIONS (gpm)

Model Number	MFXR21 002	MFXR21 003	MFXR21 004	MFXR41 002
Feed	1.1	1.6	2.1	2.9
Product (maximum)	0.8	1.2	1.6	2.2
Reject	0.3	0.4	0.5	0.7
Reject Recycle	2.7	2.1	1.6	2.6



Additional Features:

- Ability to mount on the wall or floor for flexibility in installation. Saves valuable floor space, easy to install saves time, can be installed in a confined space such as a broom closet
- Optional wall mount hinge kit swings like a door, ease of access, improved serviceability for membrane removal, reducing downtime and saving labor costs
- Inlet solenoid valve that can be moved upstream or downstream of prefilter
- Low pressure PVC pipe
- FDA approved PE tubing (permeate)
- High pressure nylon tubing

DESIGN PARAMETERS

Configuration	Multi-Stage, Single Pass
Inlet Pressure	25 PSIG
Feed Water Temperature	25°C (77°F)
Feed Water Source	Well or Softened
Pre-filtration Requirements	5 µ nominal
Feed Water Fouling Index	Silt Density Index (SDI) < 3
System Recovery (Nominal)	75%
Product Pressure Available	15 PSIG
Performance Basis	A specific computer projection must be run for each individual application



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