



Northwest Water Treatment, Inc.

Reverse Osmosis System
MODEL: FRAME MOUNT VERTICAL

Quality—built

Can be customized
to your application

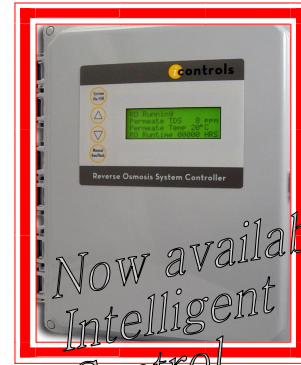
gpd: 1,800 to 10,800

Substitute membrane

and achieve specific results:

LOW ENERGY = Higher Production,
Lower System Pressure,
Lower Cost Per GPD

NANOFILTRATION = Higher
Recovery Rates, Energy Efficient,
Softens Water, Removes 85% TDS



Now available:
Intelligent
Control
Processor

STANDARD FEATURES:

- Powder-coated steel frame
- Stainless steel multi-stage pump
- Reverse Osmosis membrane
- Stainless steel membrane vessel
- High-pressure nylon tubing
- Liquid-filled high pressure gauge
- Inlet/outlet pre-filter gauges
- Liquid-tight wire shrouding
- Feed water inlet solenoid valve
- Adjstbl. Waste/Recycle needle valves, s.s.
- Product/Waste flow meters
- 10" 5 micron BB pre-filter
- High-press. brass comp. fittings
- Up to 60% feed flow recovery rate

STANDARD ELECTRICAL CONTROLS :

- NEMA 4 fiberglass enclosure
- Off / On switch
- Dual level float switches
- Low pressure switch
- Low pressure bypass delay
- Fused control circuit
- 24 volt level control circuit
- Time delay start
- Status lamps

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Reverse Osmosis MODEL: Frame Mount Vertical

*Now available:
Intelligent Control Processor*

Intelligent Control Processor features: LCD displaying all system operating functions. Keypad, Menu System, TDS Monitor with probe, Hour Meter, Temperature Display and Optional Automatic Flush and/or Pre-treat Lock-out.

OPTIONS:

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Automatic hourly flush <input type="checkbox"/> TDS digital monitor, panel mounted <input type="checkbox"/> Hour meter <input type="checkbox"/> Recycle flow meter <input type="checkbox"/> Tank pressure switch (product) | <ul style="list-style-type: none"> <input type="checkbox"/> High pressure cut-off w/auto restart and manual override <input type="checkbox"/> Pre-treat lock-out with light <input type="checkbox"/> 50 hz electrical requirement <input type="checkbox"/> 3phase power supply <input type="checkbox"/> Intelligent Control Processor |
|---|--|

FEED WATER PARAMETERS: ♦Temperature 85° F maximum ♦Pressure 40 - 80 psi maximum ♦TDS 2000 ppm maximum. If higher, consult factory ♦Iron tolerance 0.5 ppm maximum ♦Hydrogen sulfide must be removed ♦Silica tolerance can not be higher than 125 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. ♦Turbidity should be removed ♦Hardness must be removed.
*OPERATING PARAMETERS: ♦Operating pressure 200 psi maximum ♦Water recovery up to 60% and is field adjusted by customer. It is not recommended that the recovery be set higher than 50%. Only under certain conditions can the recovery be set higher. ♦pH range 3 - 11 ♦Flow rates are determined by the membrane mfg's testing criteria of 1500 ppm NaCl solution, 77°F water temperature, 225 psi at 10-15% recovery. Typical membrane salt rejection is 95—99%. *Actual flow rates may vary depending on the pre-treatment used, water conditions, feed water temperature and applied pressure, etc.*

* Increase GPD at low cost, ask about "shf" membrane

MODEL	* GPD	MEMBRANE	MOTOR	PIPING			DIMENSIONS		
				inlet	waste	prod	WIDTH	DEPTH	HEIGHT
FMV-1	1,800 ~ 2,000	4" x 40" 1ea.	1.5 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-2	3,600 ~ 4,000	4" x 40" 2ea.	2 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-3	4,800 ~ 5,600	4" x 40" 3ea.	2 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-4	6,300 ~ 7,200	4" x 40" 4ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H
FMV-5	8,000 ~ 9,000	4" x 40" 5ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H
FMV-6	9,500 ~ 10,800	4" x 40" 6ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H

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