

Nanofiltration System

An effective, low-cost alternative for water softening.

High Recovery Rate Typically 70%-85%.

Compare this to reverse osmosis recovery of about 50%-60%.

QUOTE:
Model FMV-1
Nanofiltration
to include....

*Recommended for hard water up to 100gpg.
Ideal for treating the "whole house" application.*



Energy-efficient

The Nanofiltration system runs at a lower operating pressure than the reverse osmosis system.

Removes up to 98% TDS

A selective ion membrane targets the calcium ion, thus removing up to 98% water hardness.

STANDARD SYSTEM 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

OPTIONAL FEATURES (checkmarked):

- Super-Hi-Flow, low energy membrane
- Nanofiltration membrane
- Recycle flow meter
- 3phase motor with IEC motor contactor
- 220v and/or 50hz voltage

STANDARD ELECTRICAL CONTROLS:

- Menu system with keypad
- Product water TDS monitoring
- Hour meter
- Feed water temperature

OPTIONAL CONTROL FEATURES (checkmarked):

Auto hourly flush with Manual Flush

Fast forward concentrate flushing every hour for two minute duration. Flushing helps loosen debris from the r/o membrane surface, helping to prolong membrane life.

Feed water TDS monitoring

Continually monitors the Total Dissolved Solids in the feed water.

Pre-treatment lock-out

Automatically turns off the r/o system during pre-treatment backwashing. NOTE: The pre-treatment control valves must be outfitted with a lock-out micro-switch for this feature to be operational.

Product Diversion

Diverts the permeate water to drain on system start-up for two minutes. Mostly used on high-purity water applications where the highest quality water available from the r/o system is directed to the storage tank.

Permeate Purge

After r/o shut-down, pure water is directed back to the r/o membrane, purging all concentrated water out of the membrane housing. Ideal for high TDS applications to prolong membrane life.

Hi-pressure cut-off

An audible and visual alarm indicates high-pressure condition and shuts off r/o system .

*Thank you for trusting us
with your water treatment equipment needs.*

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