



SUREFLO Series Commercial Reverse Osmosis System • 1,700 to 3,400 gallons per day

STANDARD FEATURES

- ◆ Flow rates designed on temperatures of 25°C or 77°F
- ◆ Painted Carbon free standing Reverse Osmosis frame
- ◆ Stainless steel high pressure booster pump
- ◆ 1" NPT Big Blue high pressure prefilter housing with 500 psi burst pressure, pressure release, 125 psi maximum operating pressure, 20" long.
- ◆ 4 ½" x 20" 5 micron polypropylene replacement cartridge filter
- ◆ 1" Burkert solenoid valve
- ◆ 0 – 150 psi 4" stainless steel oil filled pressure gauge for post filter pressure
- ◆ 0 – 300 psi 4" stainless steel oil filled pressure gauge for Reverse Osmosis thin film composite membranes.
- ◆ Flow controls: Product, Waste and Recycle
- ◆ Waste water recycle reduces waste water cost by up to 80 percent.
- ◆ Stainless steel 4" x 40" Reverse Osmosis membrane housings c/w Noryl end cap.
- ◆ 4" x 40" low energy thin film composite Reverse Osmosis membranes.
- ◆ John Guest high pressure tubing and fittings

Microprocessor Controller provides standard functions of the controller are monitoring or control of:

- ◆ Reverse Osmosis high pressure pump motor
- ◆ Inlet solenoid valve
- ◆ Automatic flush solenoid valve
- ◆ Low feed pressure switch
- ◆ High pressure pump switch
- ◆ Reverse Osmosis storage tank level switches
- ◆ Product water TDS/Conductivity Meter
- ◆ Water Temperature
- ◆ Pretreatment lockout
- ◆ Operating hours
- ◆ Reverse Osmosis tank full override
- ◆ 120/240 vac 15 + 10% 50/60 Hz 25 watts
- ◆ Operating temperature 40°F to 120°F
- ◆ Enclosure 8" x 6" x 4" (203mm x 152mm x 102mm) Nema 4x

System Production Flow Rate Specifications

Model Number	EWRC1	EWRC2
Feed	3.32 gpm	5.27 gpm
Product Gal/day (maximum)	1700 gpd	3400 gpd
Rejection	1.0 gpm	1.5 gpm
Rejection Recycle	1.32 gpm	2.0 gpm

Skid Process Connection Specifications

Model Number	EWRC1	EWRC2
Feed Inlet	1/2" NPT	1/2" NPT
Product Outlet	1/2" NPT	1/2" NPT
Reject to Drain Outlet	1/2" NPT	1/2" NPT

Unit Configuration Specifications

Model Number	EWRC1	EWRC2
Vessel array staging	1	1:1
Membranes/vessel	1	1
Membrane quantity	1	2
Vessel quantity	1	2
Pump model	MGPS10C 1/2 hp	MGPS10C 1/2 hp

Skid Cleaning Connection Specifications

Model Number	EWRC1	EWRC2
Feed	3/4" NPT	3/4" NPT
Rejection	3/4" NPT	3/4" NPT
Product	3/4" NPT	3/4" NPT

Skid Utility Requirements

Model Number	EWRC1	EWRC2
Max FLA@ 115 v/1/60	7.8	7.8
Max FLA@ 208-230/3/60	2.6	2.6
Motor HP (ref.)	1/2	1/2

Skid Physical Dimension Specifications

Model Number	EWRC1	EWRC2
Length*	36	36
Width*	18	18
Height*	48	48
Shipping weight (lbs)	150	175

Canada

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