



## SUREFLO Series Commercial Reverse Osmosis System • 1,700 to 10,200 gallons per day

### STANDARD FEATURES

- ◆ Flow rates designed on temperatures of 25°C or 77°F
- ◆ Stainless steel 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	EWRC3	EWRC4	EWRC5	EWRC6
Feed	3.32 gpm	5.27 gpm	6.77 gpm	8.11 gpm	9.6 gpm	10.8 gpm
Product Gal/day (maximum)	1700 gpd	3400 gpd	5100 gpd	6800 gpd	8500 gpd	10,200 gpd
Rejection	1.20 gpm	1.50 gpm	2.00 gpm	2.50 gpm	2.75 gpm	3.0 gpm
Rejection Recycle	1.32 gpm	2.0 gpm	2.0 gpm	2.0 gpm	2.0 gpm	2.0 gpm

## Skid Process Connection Specifications

Model Number	EWRC1	EWRC2	EWRC3	EWRC4	EWRC5	EWRC6
Feed Inlet	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Product Outlet	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Reject to Drain Outlet	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

## Unit Configuration Specifications

Model Number	EWRC1	EWRC2	EWRC3	EWRC4	EWRC5	EWRC6
Vessel array staging	1	1:1	1:1:1	1:1:1:1	1:1:1:1:1	2:1:1:1:1
Membranes/vessel	1	1	1	1	1	1
Membrane quantity	1	2	3	4	5	6
Vessel quantity	1	2	3	4	5	6
Pump model	MGPS10C 1/2 hp	MGPS10C 1/2 hp	MGPS10D 3/4 hp	MGPS10D 3/4 hp	MGPS10D 3/4 hp	MGPS10D 3/4 hp

## Skid Cleaning Connection Specifications

Model Number	EWRC1	EWRC2	EWRC3	EWRC4	EWRC5	EWRC6
Feed	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Rejection	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Product	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT

## Skid Utility Requirements

Model Number	EWRC1	EWRC2	EWRC3	EWRC4	EWRC5	EWRC6
Max FLA@ 115 v/1/60	7.8	7.8	10.62	10.62	10.62	10.62
Max FLA@ 208-230/3/60	2.6	2.6	3.2	3.2	3.2	3.2
Motor HP (ref.)	1/2	1/2	3/4	3/4	3/4	3/4

## Skid Physical Dimension Specifications

Model Number	EWRC1	EWRC2	EWRC3	EWRC4	EWRC5	EWRC6
Length*	36	36	36	36	36	36
Width*	18	18	18	18	18	18
Height*	48	48	48	48	48	48
Shipping weight (lbs)	150	175	200	225	250	300

### Canada

• 220 Bayview Drive Unit 18, Barrie Ontario L4N 4Y8 •