



Excalibur Water Systems

Commercial/Industrial Products

INTELLIGENT REVERSE OSMOSIS SFCP SERIES



EXCALIBUR WATER SURFLO REVERSE OSMOSIS SFCP SERIES

Reverse Osmosis SFCP Series Standard Features and PLC Controller

- Flow rates designed on 10°C or 50°F
- Operating Temperature 40°F to 113°F
- Micro850 Series PLC Controller
- 4.3in Full Color PanelView800 HMI Touchscreen
- Built in paddle-wheel flow meters (3)
- 75% Permeate recovery from feed Water
- 0-300 psi 4" Stainless feed/membrane pressure gauges
- Inlet solenoid valve
- Standard sediment filter housing
- 5 Micron polypropylene sediment filter
- Blue carbon steel powder coated frame
- Low feed water pressure switch
- RO Storage tank low and high level sensor
- Pre-treatment Lockout
- Optional membrane auto flush
- Optional permeate divert
- Permeate Water TDS meter range 0-999 PPM
- Reverse osmosis storage tank full override
- 4"x40" Stainless steel membrane housings
- Filmtec XLE Low Energy TFC membranes
- Liquifit high pressure tubing & fittings
- Enclosure 22.2" x 26.7" x 10.4" Nema 4x

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System Production Flow Rate Specifications

Model Number	RO SFCP18
Feed Flow Rate (gpm)	24.0
Permeate Product (gpm)	18.0
Permeate Product (gpd)	25,920
Concentrate Waste (gpm)	6.0
Rejection Recycle (gpm)	14.0

Skid Process Connection Specifications

Model Number	RO SFCP18
Feed Water Inlet (in)	1.25"
Permeate Outlet (in)	1"
Concentrate Outlet (in)	1"

Unit Configuration Specifications

Model Number	RO SFCP18
Vessel Array Staging	5 : 4 : 4 : 3 : 2
Membranes Per Vessel	1
Membrane Quantity	18
Vessel Quantity	18
Pump (HP)	5 HP

Skid Utility Requirements

Model Number	RO SFCP18
Max FLA@ 208-230/3/60	15.2
Max FLA@ 460/3/60	7.6
Motor HP (ref)	5 HP

Skid Physical Dimension Specifications

Model Number	RO SFCP18
Length (in)	52"
Width (in)	54"
Height (in)	65"
Shipping Weight (lbs)	1430 lbs