



# 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 SFCP4
Feed Flow Rate (gpm)	5.9
Permeate Product (gpm)	4.4
Permeate Product (gpd)	6,300
Concentrate Waste (gpm)	1.5
Rejection Recycle (gpm)	9.0

## Skid Process Connection Specifications

Model Number	RO SFCP4
Feed Water Inlet (in)	3/4"
Permeate Outlet (in)	1/2"
Concentrate Outlet (in)	1/2"

## Unit Configuration Specifications

Model Number	RO SFCP4
Vessel Array Staging	2 : 1 : 1
Membranes Per Vessel	1
Membrane Quantity	4
Vessel Quantity	4
Pump (HP)	1.5 HP

## Skid Utility Requirements

Model Number	RO SFCP4
Max FLA @ 115V/1/60	20
Max FLA@ 208-240/3/60	5.2
Motor HP (ref)	1.5 HP

## Skid Physical Dimension Specifications

Model Number	RO SFCP4
Length (in)	44"
Width (in)	32.5"
Height (in)	67"
Shipping Weight (lbs)	280 lbs