

SeaPRO models

MODEL	SeaPRO-8	SeaPRO-16	SeaPRO-28
Permeate rate:	100 m ³ /day (18.3 gpm)	200 m ³ /day (36.7 gpm)	300 m ³ /day (55.0 gpm)
Concentrate Rate:	185 m ³ /day (33.9 gpm)	371 m ³ /day (68.1 gpm)	557 m ³ /day (102.2 gpm)
Feed Rate:	285 m ³ /day (52.3 gpm)	571 m ³ /day (104.8gpm)	857 m ³ /day (157.2 gpm)
Pumps and Motors			
Model:	MSS 1540	MSS 2030	MSS 3030
Manufacturer:	Osmonics/FEDCO SM	Osmonics/FEDCO SM	Osmonics/FEDCO SM
Quantity:	1	1	1
Motor HP and type:	29.9 kW (40 Hp) TEFC	55.9 kW (75 Hp) TEFC	93.2 kW (125 Hp) TEFC
Design Flow Rate:	12 m ³ /hr (52.8 gpm)	24 m ³ /hr (105.7 gpm)	36 m ³ /hr (158.5 gpm)
Design boost pressure:	47.4 Bar (690 psig)	45.5Bar (660 psig)	42.7 Bar (620 psig)
Energy Recovery Booster			
Model:	HPB 20	HPB 30	HPB 40
Manufacturer:	Osmonics/FEDCO SM	Osmonics/FEDCO SM	Osmonics/FEDCO SM
Quantity:	1	1	1
Design boost pressure:	21.7 Bar (315 psig)	23.4 Bar (340 psig)	26.2 Bar (380 psig)
Membrane Elements and Housings			
Membranes quantity:	8	16	24
Memb. housing style:	4 element long, 4 port	4 element long, 4 port	4 element long, 4 port
Banking Arrangement:	2, parallel	4, parallel	6, parallel
Cartridge Filtration			
Cartridge Filter:	RO.Zs05-40XK	RO.Zs05-40XK	RO.Zs05-40XK
Filter Length:	40" (102 cm)	40" (102 cm)	40" (102 cm)
Filter Quantity:	6 per change out	10 per change out	22 per change out
Installation and Utility Requirements			
Inlet:	2.0" flange	3.0" flange	3.0" flange
Permeate:	1.0" flange	1.5" flange	2.0" flange
Concentrate:	1.5" flange	2.0" flange	3.0" flange
Inlet Water Pressure:	2 Bar, minimum	2 Bar, minimum	2 Bar, minimum
Air Pressure:	7 Bar, oil-free	7 Bar, oil-free	7 Bar, oil-free
Drain to be Sized for:	285 m ³ /day (52.3 gpm)	571 m ³ /day (104.8gpm)	857 m ³ /day (157.2 gpm)
Power:	220/380 VAC, 3-phase, 50Hz	220/380 VAC, 3-phase, 50Hz	220/380 VAC, 3-phase, 50Hz
Control Circuit:	220 VAC, 1-phase, 50Hz	220 VAC, 1-phase, 50Hz	220 VAC, 1-phase, 50Hz
SeaPRO Skid			
Height:	224 cm (88")	224 cm (88")	224 cm (88")
Width:	132 cm (52")	132 cm (52")	132 cm (52")
Depth:	506 cm (199")	506 cm (199")	506 cm (199")
Weight Estimate for Shipping Purposes:	1542 kg (3400 lb)	1814 kg (4000 lb)	2041 kg (4500 lb)



SeaPRO-8



SeaPRO-16



SeaPRO-28