

Models	X1-2280	X1-3280	X1-4280	X1-5280	X1-3480	X1-4480	X1-5480	X1-6480
Design								
System Capacity (gpd / m ³ /hr)	28,800 / 131	43,200 / 196	57,600 / 262	75,000 / 327	90,000 / 393	120,000 / 524	150,000 / 655	180,000 / 818
Configuration	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass
Feed Water Source (ppm)	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000
Standard Recovery Rate**	60%	70%	75%	70%	75%	75%	75%	75%
Recovery with Concentrate Recycle**	80%	80%	80%	80%	80%	80%	80%	80%
Rejection and Flow Rates								
Nominal Salt Rejection	99.3%	99.3%	99.3%	99.3%	99.3%	99.3%	99.3%	99.3%
Permeate Flow* (gpm / lpm)	20 / 75.6	30 / 113.4	40 / 151.2	50 / 189.0	60 / 226.8	80 / 302.4	100 / 378.0	125 / 472.5
Minimum Concentrate Flow (gpm / lpm)	14 / 53	14 / 53	14 / 53	14 / 53	14 / 53	14 / 53	14 / 53	14 / 53
Connections								
Feed (in)	2 FNPT	2 FNPT	2 FNPT	2 FNPT	3 FNPT	3 FNPT	3 FNPT	3 FNPT
Permeate (in)	1 1/2 FNPT	1 1/2 FNPT	2 FNPT	2 FNPT	2 FNPT	2 FNPT	3 FNPT	3 FNPT
Concentrate (in)	1 1/4 FNPT	1 1/4 FNPT	1 1/4 FNPT	1 1/4 FNPT	1 1/2 FNPT	1 1/2 FNPT	2 FNPT	2 FNPT
Clean-in-Place Port (in)	1 1/2 FNPT	1 1/2 FNPT	1 1/2 FNPT	1 1/2 FNPT	1 1/2 FNPT	1 1/2 FNPT	2 FNPT	2 FNPT
Chemical Feed Port (in)	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT
Membranes								
Membranes Per Vessel	2	2	2	2	4	4	4	4
Membrane Quantity	4	6	8	10	12	16	20	24
Membrane Size	8040	8040	8040	8040	8040	8040	8040	8040
Vessels								
Vessel Array	1:1	1:1:1	1:1:1:1	2:1:1:1	2:1	2:1:1	3:1:1	3:2:1
Vessel Quantity	2	3	4	5	3	4	5	6
Pumps								
Pump Type	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump	Vertical Multistage Centrifugal Pump
Motor (HP / kw)	10 / 7.5	10 / 7.5	10 / 7.5	10 / 7.5	15 / 11	15 / 11	20 / 15	20 / 15
Electrical								
Standard Voltage***	220V, 60Hz, 3Ph, 19.5A	220V, 60Hz, 3Ph, 19.5A	220V, 60Hz, 3Ph, 19.5A	220V, 60Hz, 3Ph, 37.5A	220V, 60Hz, 3Ph, 37.5A	220V, 60Hz, 3Ph, 37.5A	220V, 60Hz, 3Ph, 46A	220V, 60Hz, 3Ph, 46A
System Dimensions**								
L x W x H (in / cm)	112 x 35 x 85 / 284 x 89 x 216	112 x 35 x 85 / 284 x 89 x 216	112 x 35 x 85 / 284 x 89 x 216	112 x 35 x 85 / 284 x 89 x 216	194 x 41 x 85 / 493 x 104 x 216	194 x 41 x 85 / 493 x 104 x 216	194 x 41 x 85 / 493 x 104 x 216	194 x 41 x 85 / 493 x 104 x 216
Weight (lb / kg)	1850 / 839	2200 / 998	2350 / 1066	2500 / 1134	3900 / 1769	4150 / 1882	4400 / 1996	4600 / 2087

*Product flow and recovery rates are based on feedwater conditions of 2000 ppm TDS at 77°F. Treatment ability of the RO system is dependent on feed water quality. Higher TDS and/or lower temperatures will reduce product flow. An AXEON Applications Engineer can rate the units for these other feed water conditions.

**A concentrate recycle loop is available as an option to increase recovery to 75 to 80% (if suitable to feed water conditions).

***Other voltage options are available.