

Standard Technical Specifications

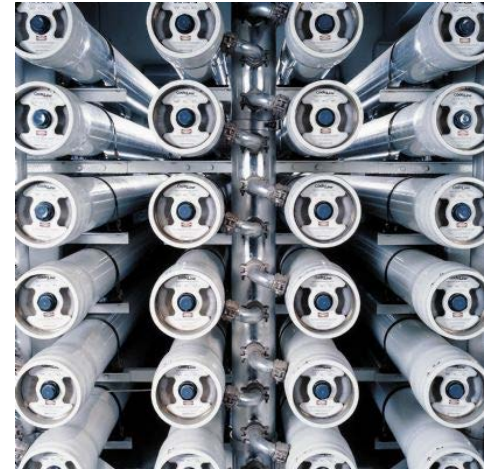
- ◆ Epoxy coated carbon steel chassis
- ◆ 8" spiral wounded membranes
- ◆ 5 µ sediment filter
- ◆ Centrifugal type Dikey high pressure pump
- ◆ 380 V/3 faz/50 Hz power requirement
- ◆ FRP membrane vessels
- ◆ Conductivity analyser
- ◆ Low pressure piping U-PVC Zonder / PP
- ◆ High pressure piping AISI 304 stainless steel
- ◆ Low pressure switch
- ◆ High pressure switch
- ◆ Membrane inlet pressure regulator valve
- ◆ Concentrate wastewater flow regulation valve
- ◆ Permeate and concentrate flowmeters
- ◆ Electric actuated inlet valve
- ◆ Automatic flush system
- ◆ PLC based control panel



R 8015 Reverse Osmosis Unit

Optional Specifications

- ◆ AISI 304 Stainless steel chassis
- ◆ Stainless steel membrane vessels
- ◆ AISI 304/316 stainless steel high pressure
- ◆ Permeate flush system
- ◆ Automatic flush and CIP unit
- ◆ Touch screen panel
- ◆ Feed inlet conductivity analyser
- ◆ Raw water blending system
- ◆ Containerized RO system
- ◆ Complete plant with chassis (with pretreatment units)



8" Membrane Vessels



Pressure Switch



Pressure Gauge



Kinetic Flowmeter



Digital Flowmeter



Vertical type centrifugal high pressure pump



REVERSE OSMOSIS SYSTEMS TECHNICAL SPECIFICATIONS						
Model	Flowrate m ³ /day	8040 Membrane Quantity	Vessel quantity	Motor Power kW ¹	Recovery % ¹	Weight kg
ROTAPUR 800 SERIE						
R 804	100	4	2 x 2 elements	4	60	900
R 806	150	6	2 x 3 elements	5,5	60	1000
R 808	200	8	2 x 4 elements	7,5	65	1100
R 809	225	9	3 x 3 elements	7,5	65	1150
R 8010	250	10	2 x 5 elements	7,5	70	1200
R 8012	300	12	2 x 6 elements	11	75	1300
R 8015	375	15	3 x 5 elements	15	75	1450
R 8018	450	18	3 x 6 elements	15	75	1600
R 8024	600	24	4 x 6 elements	18,5	75	2000
R 8030	750	30	5 x 6 elements	22	75	2150
R 8036	900	36	6 x 6 elements	30	75	2250
R 8042	1050	42	6 x 7 elements	30	75	2350
R 8048	1200	48	6 x 8 elements	37	75	2600
R 8054	1350	54	6 x 9 elements	37	75	2800
R 8060	1500	60	6 x 10 elements	45	75	3200
R 8066	1650	66	6 x 11 elements	45	75	3400
R 8072	1800	72	6 x 12 elements	45	75	3600
R 8078	1950	78	6 x 13 elements	45	75	3750
R 8084	2100	84	6 x 14 elements	55	75	3900
R 8090	2250	90	6 x 15 elements	55	75	4050
R 8096	2400	96	6 x 16 elements	75	75	4200
R 80114	2700	108	6 x 18 elements	2 X 37	75	4500
R 80126	3000	120	6 x 20 elements	2 X 37	75	4800

Operating Conditions	
Feed inlet pressure	2 – 5 bar
Operating pressure	10 - 15
Feed water SDI	<3
Feed water turbidity	1 NTU
Max. feed water TDS ¹	2000 mg/l
Max. iron, manganese, aluminium	<0,05 mg/l
Max. silica	25 mg/l
Feed water pH range	3 - 11
Bacteriologic content	None
Organics (TOİ, BOİ, KOİ)	None
Hydrocarbons, oil & grease	None
Hidrojen sülfür	None
Ba, Sr, F	Trace
Max. feed water temperature	42 °C
Recovery ²	%60 - 75

1. TDS = 5000 mg/l configuration (Optional)
2. May vary according to raw water analysis and system capacity

