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

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REVERSE OSMOSIS SYSTEMS TECHNICAL SPECIFICATIONS						
Model	**Flowrate m3/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/lt
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