

INDUSTRIAL REVERSE OSMOSIS UNIT

enki's industrial reverse osmosis units are available from 100 to 1900 cubic meter per day. our standard reverse osmosis unit is completely assembled and ready for use.

Standard Features

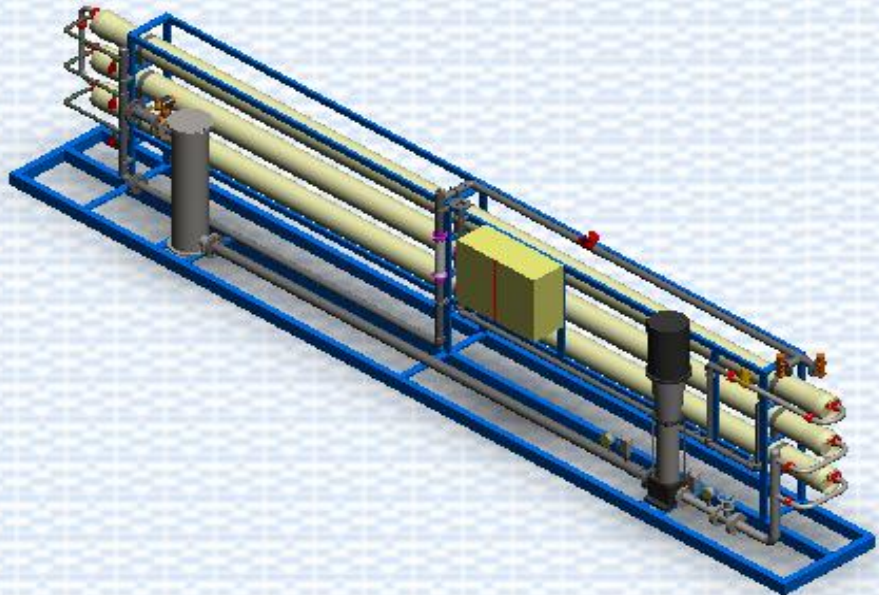
- Epoxy coated steel frame
- Thin film composite membrane
- Multistage high pressure pump
- FRP Pressure vessel
- Micro filter (5-10 micron)
- Tank level control connection
- Low-high pressure protection
- Permeate conductivity indicator
- Pressure gauges
- Permeate check valve
- Sample valve
- PLC controller

Typical Applications

- Drinking water
- Food processing
- Pharmaceutical
- Automotive
- Boiler
- Cooling Tower
- Metal finishing
- Demi-Pretreatment

Optional Equipment

- Stainless steel frame
- 316 SS HP pump
- Temperature indicator
- Membrane cleaning unit
- Chemical dosing unit
- Pre-treatment unit
- UV sterilizer
- SS pressure vessels



Operating Parameters

- System overall recovery rate : 70-75 %
- Feed water TDS : 2000 ppm (max)
- Operating pressure : 13-16 bar
- Minimum inlet pressure : 3 bar
- Operating temperature : 5-29 oC
- Inlet chlorine concentration : < 0.1 ppm
- Silt density index : < 3

STANDARD REVERSE OSMOSIS UNITS

Type	Permeate	Permeate	Membrane	Power	Dimension			Weight
	m3/d	m3/h			pcs	L	W	
ERO-110	110	4,6	4	5,5	3,00	0,95	1,65	900
ERO-135	135	5,6	5	7,5	6,00	0,95	1,30	1.050
ERO-150	150	6,3	6	11,0	4,00	0,95	1,55	1.100
ERO-225	225	9,4	8	11,0	5,00	0,95	1,70	1.150
ERO-275	275	11,5	10	15,0	6,00	0,95	1,70	1.200
ERO-325	325	13,5	12	15,0	5,00	0,95	1,90	1.250
ERO-425	425	17,7	15	18,5	6,00	0,95	1,90	1.400
ERO-500	500	20,8	18	18,5	7,00	0,95	1,90	1.550
ERO-650	650	27,1	24	18,5	7,00	0,95	2,20	1.700
ERO-850	850	35,4	30	30,0	7,00	1,00	2,20	2.050
ERO-1020	1.020	42,5	36	37,0	7,00	1,10	2,50	2.200
ERO-1210	1.210	50,4	42	37,0	7,00	1,35	2,30	2.350
ERO-1360	1.360	56,7	48	2x22,5	7,20	1,70	2,50	3.450
ERO-1550	1.550	64,6	54	2x22,5	7,20	1,75	2,75	3.600
ERO-1700	1.700	70,8	60	2x30,0	7,20	2,00	2,10	4.000
ERO-1900	1.900	79,2	66	2x30,0	7,20	2,00	2,10	4.100

enki reserves the right to change the specifications referred to in this table at any time, without prior notice.