



enki

Water Treatment Technologies



INDUSTRIAL REVERSE OSMOSIS UNIT

enki's industrial reverse osmosis systems are available from 100 to 2500 cubic meter per day. Our standard reverse osmosis unit is completely assembled and ready for use.

Standard Features

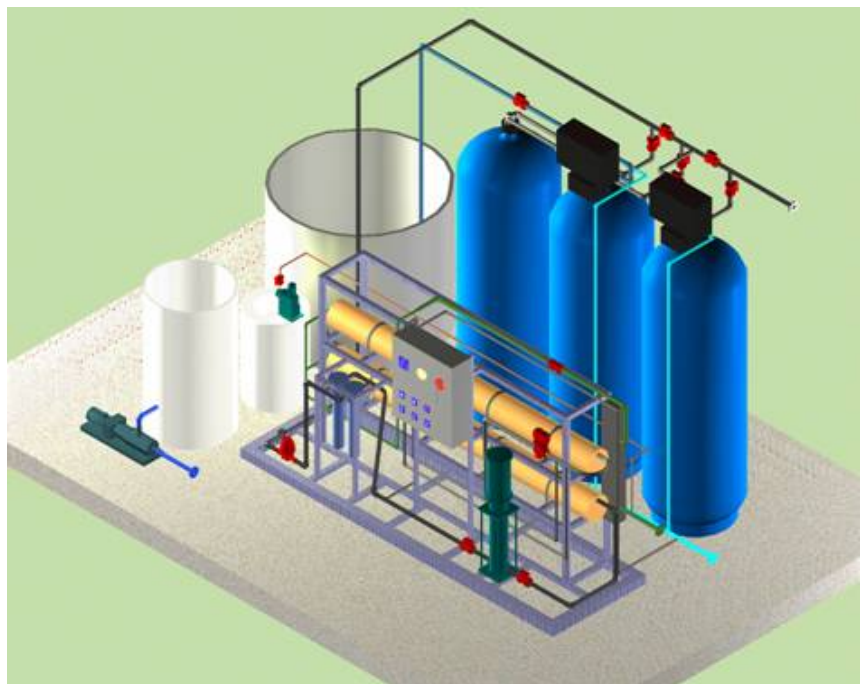
- Epoxy coated steel frame
- Thin film composite membrane
- Multi stage high pressure pump
- FRP Pressure vessels
- Micro filter (5-10 micron)
- Tank level control connection
- Permeate/concentrate/recycle flow meters,
- Low-high pressure protection
- Permeate conductivity indicator
- Pressure gauges
- Permeate check valve
- Sampling points
- PLC Controller
- Completely assembled

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
- Raw water conductivity indicator





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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 °C
- Inlet chlorine concentration : < 0,1 ppm
- Silt density index : < 3

STANDARD REVERSE OSMOSIS UNITS								
Type	Permeate	Permeate	Feed	Recovery	Dimensions (m)			Weight
	m ³ /d	m ³ /h	m ³ /h	%	L	W	H	Kg
ERO-100	101	4,2	6	70	3,5	1,5	1,7	800
ERO-150	151	6,3	8,9	70	4,5	1,5	1,7	970
ERO-225	226	9,4	14,3	65,4	4,5	1,5	1,7	1.100
ERO-325	324	13,5	19,2	70,5	5,5	1,5	1,7	1.400
ERO-425	425	17,7	23,5	75,3	7,5	1,5	1,7	1.600
ERO-500	499	20,8	27,7	75,1	5,5	1,5	2,4	1.610
ERO-600	600	25	33,2	75,4	6,5	1,5	2,4	1.950
ERO-750	751	31,3	41,4	75,5	7,5	1,5	2,4	2.300
ERO-850	850	35,4	47,7	74,3	6,5	2	1,9	2.500
ERO-1100	1.099	45,8	61,2	74,9	7,5	2	1,9	3.200
ERO-1300	1.296	54	71,9	75,1	7,5	2	2,4	3.450
ERO-1450	1.447	60,3	80,5	74,9	7,5	2	2,4	3.700
ERO-1800	1.800	75	100,1	74,9	9	2,4	2,4	4.300
ERO-1900	1.898	79,1	105,6	74,9	9	2,4	2,4	4.550
ERO-2100	2.098	87,4	116,7	74,9	9	2,4	2,4	4.800
ERO-2200	2.201	91,7	122,4	74,9	9	2,4	2,4	5.000
ERO-2500	2.496	104	138,9	74,9	9	2,4	2,4	5.500

enki water technologies reserves the right to change the specifications referred to in this prospect at any time, without prior notice