

INDUSTRIAL REVERSE OSMOSIS UNIT – IRO2

enki's industrial reverse osmosis units are available from 850 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
- Permeate/concentrate/Recycle flowmeter
- Low-high pressure protection
- Permeate conductivity indicator
- Pressure gauges
- Permeate check valve
- Sample valve
- PLC controller
- Completely assembled

Typical Applications

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

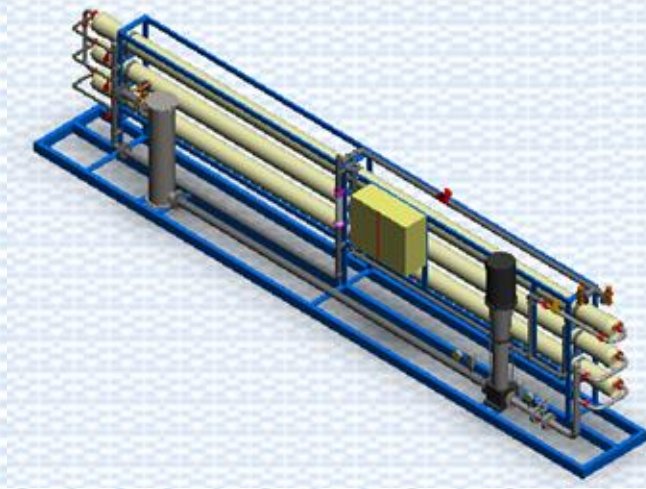
Optional Equipment

- 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



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 – IRO2

Tip	Permeate	Permeate	Membrane	Power	Dimension			Weight
	m3/d	m3/h	pcs	kW	L	W	H	kg
IRO2-850	850	35.4	30	30	7.00	1.00	2.20	2.050
IRO2-1020	1.020	42.5	36	37	7.00	1.10	2.50	2.200
IRO2-1210	1.210	50.4	42	37	7.00	1.35	2.30	2.350
IRO2-1360	1.360	56.7	48	2x22.5	7.20	1.70	2.50	3.450
IRO2-1550	1.550	64.6	54	2x22.5	7.20	1.75	2.75	3.600
IRO2-1700	1.700	70.8	60	2x30.0	7.20	2.00	2.10	4.000
IRO2-1900	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.