

## INDUSTRIAL REVERSE OSMOSIS UNIT - IRO1

enki's industrial reverse osmosis units are available from 110 to 650 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

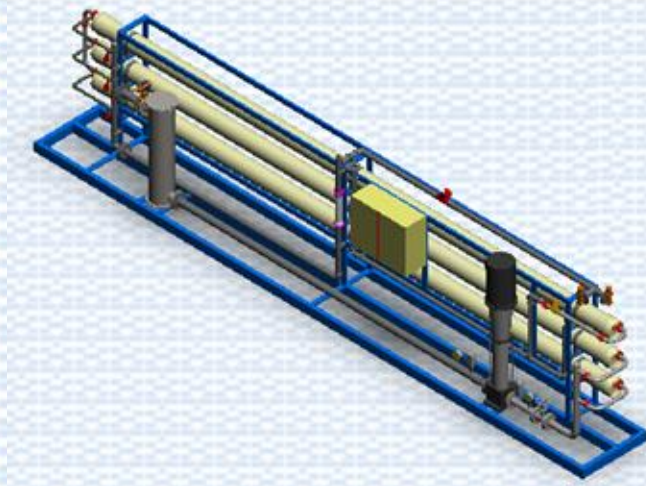
### Optional Equipment

- 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 - IRO1

Tip	Permeate	Permeate	Membrane	Power	Dimension			Weight
	m3/d	m3/h	pcs	kW	L	W	H	kg
<b>IRO1-110</b>	110	4,6	4	6	3,0	1,0	1,7	900
<b>IRO1-135</b>	135	5,6	5	7,5	6,0	1,0	1,3	1.050
<b>IRO1-150</b>	150	6,3	6	11	4,0	1,0	1,6	1.100
<b>IRO1-225</b>	225	9,4	8	11,0	5,0	1,0	1,7	1.150
<b>IRO1-275</b>	275	11,5	10	15	6,0	1,0	1,7	1.200
<b>IRO1-325</b>	325	13,5	12	15,0	5,0	1,0	1,9	1.250
<b>IRO1-425</b>	425	17,7	15	19	6,0	1,0	1,9	1.400
<b>IRO1-500</b>	500	20,8	18	18,5	7,0	1,0	1,9	1.550
<b>IRO1-650</b>	650	27,1	24	19	7,0	1,0	2,2	1.700

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