

## ergo Reverse Osmosis

The ergo RO is a compact skid mounted portable unit that is designed for industrial and commercial applications. It can cater to varying application range from 1.0 m<sup>3</sup>/h to 25.0 m<sup>3</sup>/h for inlet TDS of 2000, 4000 and 6000 mg/l, with recovery rates up to a maximum of 75% and salt removal efficiency of 90-98%. Designed with onsite flexibility in operation, the unit is equipped with required Instrumentations that allow smooth and uninterrupted operation.



Features	Benefits
Factory tested and skid mounted unit	Quality controlled product and ready for installation
uPVC and SS piping	Non-corrosive piping increases longevity and delivers clean water
Automated Unit	Requires minimal or no manual intervention and hence more reliable
Safety Features	Pressure switches and ORP monitor with controller ensure safety of pumps and membranes
PLC Controlled	Preloaded microprocessor with required instrumentation enables early diagnostics and trouble shooting

## Applications

- Boiler feed water treatment
- Drinking water for institution and industries
- Wastewater reclamation and reuse
- Food and Beverage Industries
- Process water production in manufacturing industries.

## Standard Supplies

- Micron Cartridge filters
- Filter feed pump
- High Pressure RO feed pump
- Burton / Hydranautics brands of Reverse osmosis membranes
- Electrical panel with required instrumentations



Ergonomic Design



Minimum Footprint



Maximum Convenience



Plug & Play



Easy Maintenance



Fontus Service Advantage

## Technical specifications

Model No.	Maximum Flowrate for Water Treatment (m <sup>3</sup> /h)	Maximum Flowrate for Wastewater Reuse (m <sup>3</sup> /h)
ergo RO 0405	1.00	0.75
ergo RO 0406	1.20	0.90
ergo RO 0407	1.50	1.00
ergo RO 0408 (L)	1.60	1.20
ergo RO 0408 (H)	1.80	1.30
ergo RO 0409	2.00	1.50
ergo RO 0412	2.60	1.80
ergo RO 0414	3.00	2.10
ergo RO 0416	3.60	2.40
ergo RO 0804	4.40	3.00
ergo RO 0805	5.50	3.75
ergo RO 0806	6.50	4.50
ergo RO 0807	7.50	5.25
ergo RO 0808	9.00	6.00
ergo RO 0809	10.00	6.75
ergo RO 0810	11.00	7.50
ergo RO 0812	12.50	9.00
ergo RO 0815	15.50	11.25
ergo RO 0816	17.00	12.00
ergo RO 0818	20.00	13.50
ergo RO 0820	22.00	15.00
ergo RO 0824	25.00	18.00

### Notes

- For water treatment, the units have been designed based on feed water TDS of 2000<sup>a</sup>, 4000<sup>b</sup> and 6000<sup>c</sup> mg/l.  
<sup>a</sup>Recovery of 75%; Permeate TDS < 150 mg/l  
<sup>#</sup>Recovery in the range of 67-72%; Permeate TDS < 300 mg/l  
 For wastewater treatment, the units have been designed based on feed water TDS of 2000<sup>a</sup> and 4000<sup>b</sup> mg/l with recovery in the range of 50-65% and permeate TDS < 150 mg/l  
<sup>a</sup>Designed feed water hardness = 500 mg/l as CaCO<sub>3</sub>  
<sup>b</sup>Designed feed water hardness = 1000 mg/l as CaCO<sub>3</sub>  
<sup>c</sup>Designed feed water hardness = 1500 mg/l as CaCO<sub>3</sub>
- Antiscalant for high silica to be used for all RO systems.
- Please consult the sales team before placing order.

## Operation Specifications

Maximum feed water temperature	: 40° C
pH Range	: 6.5 to 7.5
Silica tolerance	: 25 mg/l
Feed water SDI	: less than 5
Turbidity, iron, H2S	: nil
Organic impurities (BOD)	: nil (suitable pretreatment to be considered)



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CIN: U74899DL2001PTC111383

Version: FW00/08/13