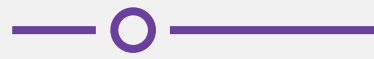


datasheet

puRO



Reverse Osmosis Solutions



quelle

heation

Description

puRO is designed to treat brackish water and produce high-quality purified water.

Developed for commercial and industrial applications, puRO combines compact dimensions, highly reliable parts, and fully automatic operation to consistently deliver quality water while minimizing operator intervention.

Dependable performance and long service life are ensured thanks to the use high-efficiency membranes, stainless steel high-pressure components, and intelligent monitoring.

puRO is available in different sizes, to match a wide range of flow rates while keeping a well-proven design philosophy unchanged.

Key benefits

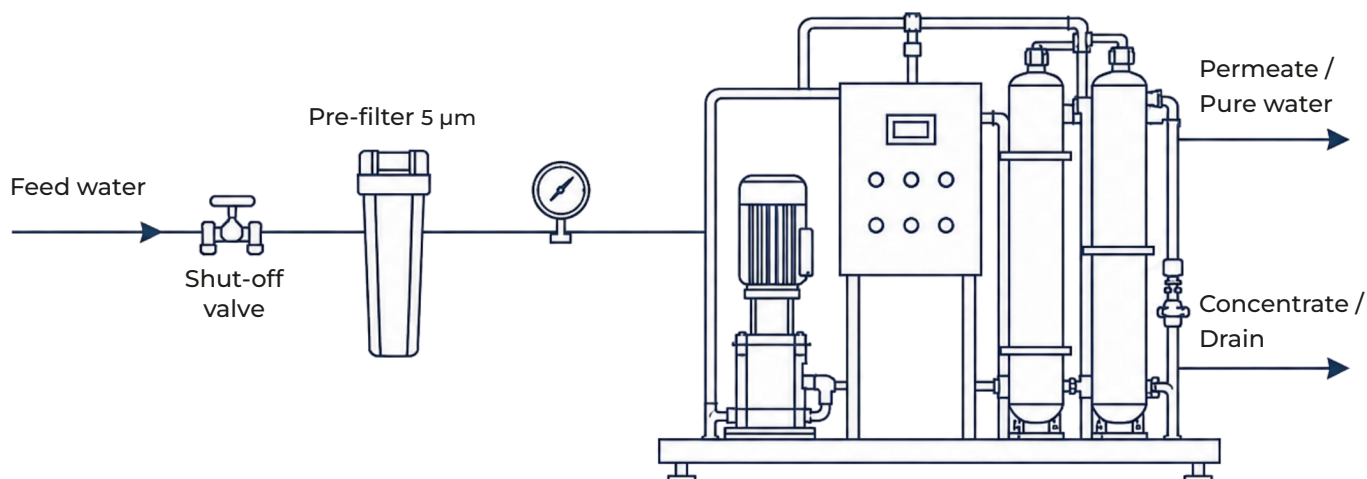
- Designed for optimal purification performance
- Operational reliability
- Easy integration into industrial water treatment systems
- Consistent water quality
- Reduced operating costs
- Optimized water recovery
- Compact skid-mounted design
- Easy installation
- Simplified maintenance
- Reliable industrial performance
- Available in multiple capacities



Technical data

Feed water	Brackish water
Max feed TDS	5 000 ppm
Recovery	Up to 75%
Operating pressure	Up to 18 bar
RO membranes	High-efficiency RO membranes
High-pressure pump	Vertical multi-stage SS pump
Pressure vessels	FRP pressure vessels
Control system	Fully automatic control panel
High-pressure piping	AISI 316 stainless steel
Low-pressure piping	PVC
Monitoring	Flow, pressure and conductivity
Protection	High and low pressure switches
Antiscalant	Automatic dosing system

Process overview



Models and flow rates

	puRO 250	puRO 500	puRO 1000	puRO 2000
Permeate capacity	250 l/h	500 l/h	1000 l/h	2000 l/h
Recovery	50%	50%	50 - 75%	50%
Max feed TDS	5 000 ppm	5 000 ppm	5 000 ppm	5 000 ppm
Feed flow	> 500 l/h	> 1000 l/h	> 2000 l/h	> 4000 l/h
RO membranes	2 x 4040	3 x 4040	6 x 4040	3 x 8040
Pump power	1,5 kW	1,5 kW	1,5 kW	4 kW
Pre-filter	5 µm	5 µm	5 µm	5 µm
Feed connection	1/2"	1/2"	1/2"	1/2"
Permeate connection	1/2"	3/4"	3/4"	3/4"
Weight	90 Kg	200 Kg	350 Kg	600 Kg
Dimensions (L x W x H)	50 x 50 x 159 cm	50 x 50 x 159 cm	70 x 78 x 159 cm	380 x 70 x 177 cm



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