

## Hyperpure C Series Reverse Osmosis System

Hyperpure C Series Reverse Osmosis system is a commercial grade water purification system built for the small industrial sector, factories, public institutes and ordinary household who need a small amount of purified water for cleaning or drinking purposes.

Puritron has combined many years of RO system design and field experience with state-of-the-art technologies to build a unique RO system for those who care about their pure water requirements.



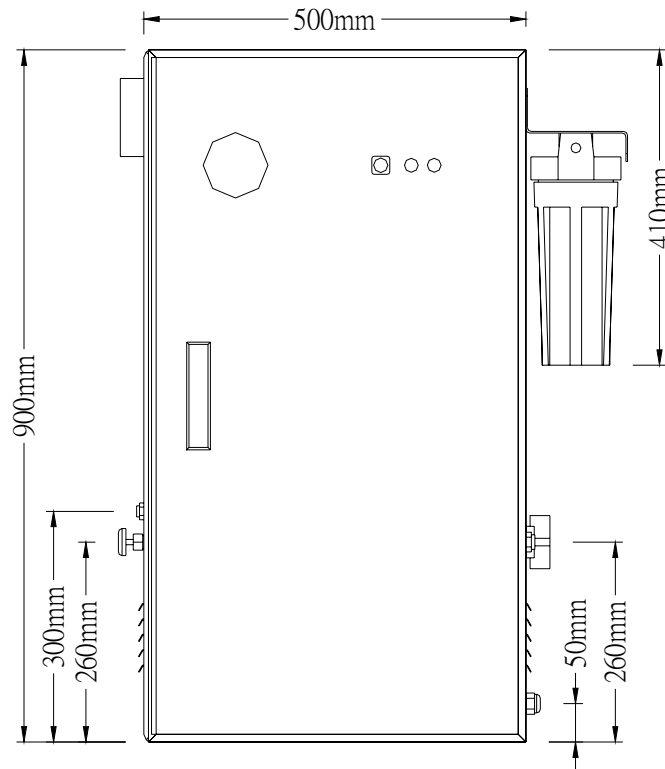
**Commercial Reverse Osmosis System– CR 300**

## Standard Features

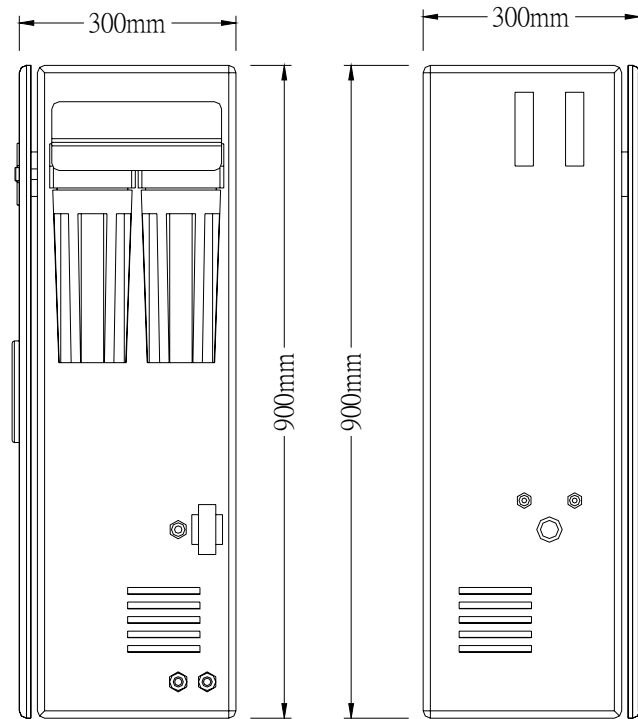
- 5-micron sediment filter and activated carbon filter.
- Feed water shut off valve for automatic control of feed water supply to the RO system.
- Brass rotary vane RO pump.
- Low feed water pressure shut down for the RO system.
- Auto flush upon high level.
- Stainless steel glycerin filled pressure gauge for RO feed pressure.
- Water-tight plastic control enclosure for electrical components.
- System can be wall-mounted, sit on bench top or mobile.

## Optional Features

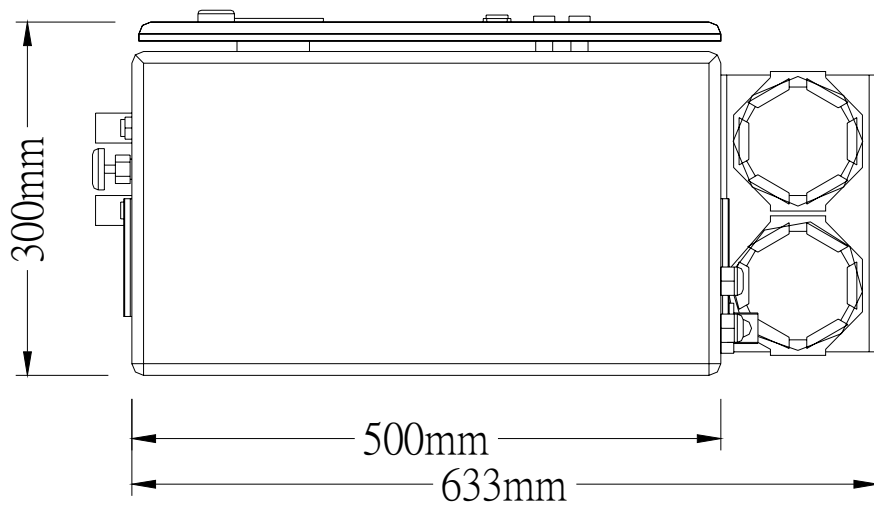
- Conductivity meter.
- Rotameter for RO permeate flow rate.
- Rotameter for RO reject flow rate.
- Level switch for RO storage tank.
- Stainless steel mobile stand for system to be moved around easily.



**Front View**



**SIDE VIEW**



**PLAN VIEW**

## Specifications

<b>Model</b>	CR 300	
<b>Operating Data</b>		
RO Flow Rate:	Raw Water	1,200 GPD
	Feed rate	1,200 GPD
	RO reject rate	900 GPD
	RO Permeate	300 GPD
Array configuration:	1	
Salt Rejection (Projected):	>97% (Initial)	
Recovery:	25 %	

### Feed Water Requirements

Feed Pressure	Flow Rate	Free Chlorine	SDI (15)	LSI	Temperature
1-3 bar	1,200 GPD	<0.1 ppm	<5	Negative	<45

### Electrical Requirements

	Model	Motor	Model No.	
RO Pump	Procon	0.25 kW	112A050F11BA250	220 VAC/1PH/50Hz

### Key RO Components

	Model	Materials	Dimensions	Pressure Rating	Qty
RO Pressure Vessel	2521	SS 304	2.5" x 21"	20 bar	1
RO Membrane Element	2521	TFC Polyamide	2.5" x 21"	25 bar	1
<b>Dimensions</b>					
	Width, mm			633	
	Depth, mm			300	
	Height, mm			900	
	Weight, kg			85	

#### NOTES:

1. Consult Puritron before placing order if feed water pressure is less than 1 bar or over 3 bar.
2. For high turbidity water with NTU more than 1 or Silt Density Index (SDI<sub>15</sub>) over 5, consider adding sand filter ahead of pre-filter.
3. If RO reject Langelier Saturation Index (LSI) is positive, soften the feed water or install chemical dosing pump for anti-scalant addition into the feed water.
4. For high Total Dissolved Solids (TDS) water over 1,000 ppm, consult Puritron for special RO membranes.
5. Other flow rate available on request.
6. Other voltages available on request.

**Specifications subject to change without prior notice.**