

## INOS-ROP Series ASTM Type II High Pure Water Systems

**INOS-ROP Series** ASTM High Pure Water Devices produces high quality pure water with superior resistance and low TOC. (<30ppb)  
Output water can be stored in an anti-fouling water tank and is an ideal solution for routine laboratory applications.  
It provides a complete service with RO Membrane Deionization and UV Lamp to remove any situation which may cause dirty water formation and provide better quality efficiency.  
The built-in UV lamp is ideal for low bacterial applications.



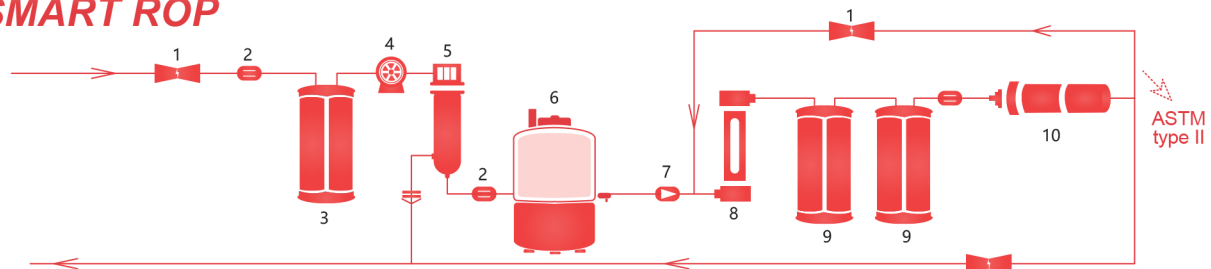
### Technical Specifications;

Model Type	INOS-ROP (Bench-Top) ROP-15 / ROP-30	INOS-ROP (Floor-Type) ROP-50 / ROP-100 / ROP-150
Productivity Rate	15L/h - 30L/h	50L/h - 100L/h - 150L/h
<b>Feed Water Requirement</b>		
Source	Tap Water	
Conductivity*	<2000us/cm	
Hardness**	<450ppm as CaCO3	
Pressure	0.05 - 0.5MPa (7 - 72psi)	
Temperature	5 - 40°C	
<b>Purification Water (Class II)</b>		
Ionic Rejection	>95%	
Bacteria Rejection	>99%	
Conductivity	1 - 20us/cm (RO-2 5us/cm)	
<b>High Quality Purification Water (Class II)</b>		
Resistivity At 25°C	≥10MΩ.cm	
TOC	<30ppb	
Dissolved Organic	<0.1ppm	
Particulate(≥0.02um)	<1pc/ml	
Bacteria	<1cfu/ml	
Flow Rate	1.5 - 2.0L/min	2.0 - 2.5L/min
Power Supply	110/220V ±10% 50/60Hz	
Weight of Main Units	25kg - 37kg	90kg - 112kg
Weight of Water Tanks(30L/60L)	7kg - 13kg	10kg - 13kg
Size of Main Units (WxDxH)	315x525x570mm	600x570x1160mm
Package Size of Main Units	525x610x770mm	640x680x1165mm
Size of Water Tanks(30L/60L)	380x380x595mm	380x380x885mm
Package Size of Water Tank	520x440x615mm	510x430x895mm

\* If feed water quality is poor (Conductivity >1000us/cm), strengthened pretreatment module and RO-2 type is highly recommended.

\*\* When hardness of feed water is high (>450ppm as CaCO<sub>3</sub>), 0.5T water soften is recommended.

### SMART ROP



- |                       |                        |              |                            |                               |
|-----------------------|------------------------|--------------|----------------------------|-------------------------------|
| 1 Solenoid Valve      | 3 Pre-treatment Module | 5 RO Module  | 7 Ball Valve               | 9 Purification Module         |
| 2 Conductivity Sensor | 4 Boost Pump           | 6 Water Tank | 8 Single Wave UV Cartridge | 10 Micro-Filtration Cartridge |