

## INOS-Mini ASTM Type I Ultra Pure Water System

### Introduction of INOS-Mini

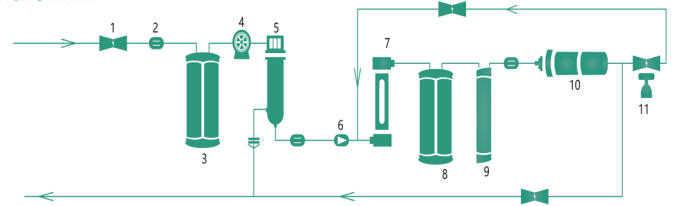
Many laboratories require ultrapure water every day- for HPLC or for other instrumental analyses- but only as small volumes at a time, up to a total of a few liters at the most. However, this is no reason to do without professional, freshly-prepared ultrapure water and buy expensive HPLC water. After all, with the repeated taking of small volumes from an HPLC water container, the quality of the water and the TOC-value no longer fulfill the specifications.

The ultrapure water is no longer ultrapure!

Always fresh. Always available in the volume required.

Always with the required quality. And always for only a few cents per liter!

### Smart Mini



- |                        |                               |
|------------------------|-------------------------------|
| 1 Solenoid Valve       | 7 Dual Wave UV Cartridge      |
| 2 Conductivity Sensor  | 8 Purification Module         |
| 3 Pre-treatment Module | 9 Ultra-Purification Module   |
| 4 Boost Pump           | 10 Micro-Filtration Cartridge |
| 5 RO Module            | 11 Point-Of-Use Filter        |
| 6 Ball Valve           |                               |

### Technical Specifications;

Model	INOS-Mini
<b>Feed Water Requirement</b>	
Source	Tap Water
Conductivity*	<2000us/cm
Hardness**	<450ppm as CaCO <sub>3</sub>
Pressure	0.04 - 0.5MPa (7-72psi)
Temperature	5 - 40°C
<b>Purification Water(Class III)</b>	
Ionic Rejection	>95%
Bacteria Rejection	>99%
Conductivity	1 - 20us/sm (RO-2 5us/cm)
Productivity Rate	30L/h
<b>Ultrapurification Water(Class I)</b>	
Resistivity At 25°C	18MΩ.cm
Conductivity At 25°C	0.055us/cm
TOC Level***	1 - 5ppb
Endotoxin(Pyrogens)	N/A
Particulate(≥0.02um)	<1pc/ml
Bacteria***	<0.1cfu/ml
Rnase / Dnase**	N/A
<b>Ultrapurification Water(Class I)</b>	
Manual dispense flow rate	0.5L/min
Automatic dispense volume	100 - 60000ml
Power Supply	110/220V ±10% 50/60Hz
Weight of Main Units (NxG)	32Kg - 45Kg
Weight of Water Tank	N/A
Size of Main Units (WxDxH)	315x525x570mm
Package Size of Main Units	525x610x770mm
Size of Water Tank (30L)	N/A
Package Size of Water Tank	N/A

### Configuration of INOS-Mini

Model	INOS-Mini
Pretreatment Module	<input type="radio"/>
High Pressure Pump	<input type="radio"/>
Reverse Osmosis	<input type="radio"/>
Dual Wavelength UV-Lamp	<input type="radio"/>
Ultra-Purifications Cartridge	<input type="radio"/>
Microfiltration Cartridge	<input type="radio"/>
Point-of-Use Filter	<input type="radio"/>



\* 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 softener is recommended.

\*\*\* Dual wave UV module need to be adopted. Also dependent on feed water, recommended feed TOC <30ppb.