INOVIALAB
TECHNOLOGY

INOS-N Series ASTM Type I Ultrapure Water Systems
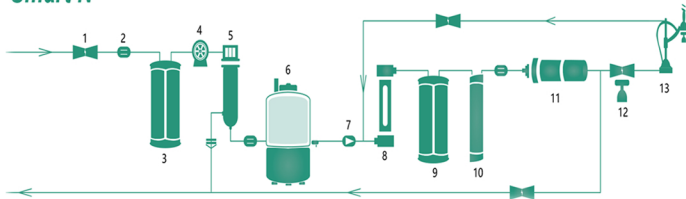
Features;

The INOS-N system is a compact solution that combines the production of pure water and ultrapure water in a single unit-eliminating the need for a pretreatment stage upstream of the ultrapure water system.

Configurations;

INOS-N Systems	INOS-N-15UV	INOS-N15VF	INOS-N30UV	INOS-N30VF
Pretreatment Module	O	O	O	O
High Pressure Pump	O	O	O	O
Reverse Osmosis	O	O	O	O
Dual Wavelength UV-Lamp	O	O	O	O
Ultra-Purifications Cartridge	O	O	O	O
Microfiltration Cartridge	O	/	O	/
Ultrafiltration Cartridge	/	O	/	O
Point-of-use Filter	O	O	O	O
Storage Tank 30L	O	O	O	O
Air Filter Net for Tank	O	O	O	O
Remote Water Dispenser	O	O	O	O

Smart N

1. Solenoid Valve
2. Conductivity Sensor
3. Pre-Treatment Module
4. Boost Pump
5. RO Module
6. Water Tank
7. Ball Valve
8. Dual Wave UV Cartridge
9. Purification Module
10. Ultra-Purification Module
11. Ultra Filtration Cartrige
12. Point-of-Use Filter
13. Remote Water Dispenser

Technical Specifications:

Model	INOS-N15UV	INOS-N15VF	INOS-N30UV	INOS-N30VF
Feed Water Requirement				
Source	Tap Water			
Conductivity*	<2000us/cm			
Hardness**	<450ppm as CaCO3			
Pressure	0.05 - 0.5MPa (7-72psi)			
Temperature	5 - 40°C			
Purifications Water (Class III)				
Ionic Rejection	>95%			
Bacteria Rejection	>99%			
Conductivity	1 - 20us/cm (RO-2 5us/cm)			
Productivity Rate	15L/h	15L/h	30L/h	30L/h
Ultrapurification Water(Class I)				
Resistivity At 25°C	18.2MΩ.cm			
Conductivity At 25°C	0.055us/cm			
TOC Level***	1 - 5ppb			
Endotoxin(Pyrogens)****	N/A	<0.001EU/ml	N/A	0.001EU/ml
Particulate(≥0.02um)	<1pc/ml			
Bacteria***	<0.1cfu/ml			
Rnase/Dnase**	N/A	Free	N/A	Free
Manual Dispense Flow Rate	1.5 - 2.0L/min			
Automatic Dispense Volume	100 - 60000ml			
Power Supply	110V/220V±10% 50Hz/60Hz			
Weight of Main Units (NxG)	24kg - 37kg			
Weight of Water Tank (30L)	7kg - 15kg			
Size of Main Units (WxDxH)	315x525x570mm			
Package Size of Main Units	525x610x770mm			
Size of Water Tank (30L)(WxDxH)	380x380x595mm			
Package Size of Water Tank	520x440x615mm			

* 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 CaCO3), 0.5T water soften is recommended.
*** Dual wave UV module need to be adopted. Also dependent on feed water, recommended feed TOC<30ppb.
**** Ultra-filtration module need to be adopted. Feed water need to be satistied as above.