PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
BFN-10502

ISO9001 CERTIFIED

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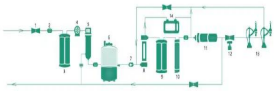
ULTRAPURE WATER PURIFICATION SYSTEM

The industry's most complete water purification solution for highly regulated applications.
When your application requires the ultimate in water purity, this provides the perfect solution. Consistently delivering water purity of 18.2MΩ.cm and underpinned by the advanced technologies, the water purification system enables you to focus on attaining accurate results while ensuring an uninterrupted work flow.

SPECIFICATIONS

Model	BFN-10502
Production Rate	30L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	30L
Feed Water Requirement :	
Source	Tap water
Conductivity	<2000 µS/cm
Hardness**	<450 ppm as $CaCO_3$
Pressure	0.05-0.5 MPa (7-72 psi)
Temperature	5-40°C
Purification Water (Class III) :	
Ionic Rejection	>95%
Bacteria Rejection	>99%
Conductivity Class III	1-20 µS/cm
Productivity Rate	30 L/h
Ultrapurification Water (Class I) :	
Resistivity at 25°C	18.2 MΩ·cm
Conductivity at 25°C	0.055 µS/cm
TOC Level***	1-5 ppb
Endotoxin (Pyrogens)****	<0.001 EU/ml
Particulate (≥0.02 µm)	<1 pc/ml
Bacteria***	<0.1 cfu/ml
RNase / DNase**	Free
Manual Dispense Flow Rate	1.5-2.0 L/min
Automatic Dispense Volume	100-60000 ml
Electrical Requirements :	
Electrical Voltage	110V/220V ±10%
Electrical Frequency	50Hz/60Hz
Packing Information :	
Net Weight - Main Units	34 kg
Net Weight - Water Tank (30 L)	7 kg
External Dimensions (WxDxH) - Main Units	315x525x570 mm

External Dimensions (WxDxH) - Water Tank (30 L)	380x380x595 mm
Shipping Weight - Main Units	39 kg
Shipping Weight - Water Tank (30 L)	15 kg
Shipping Dimensions (WxDxH) - Main Units	525x610x770 mm
Shipping Dimensions (WxDxH) - Water Tank (30 L)	520x440x615 mm
Notes	*If feed water quality is poor (Conductivity >1000 μS/cm), strengthened pretreatment module and RO-2 type is highly recommended.** When hardness of feed water is high (>450 ppm as CaCO3), 0.5T water softener is recommended.*** Dual wave UV modules need to be adopted. Also dependent on feed water, recommended feed TOC<30ppb.**** Ultrafiltration modules need to be adopted.Feed water no need to be satisfied as above.
Alt Name	Ultrapure Water Purification System



APPLICATIONS

ICP-MS (Inductively Coupled Plasma Mass Spectrometry)
Molecular biology techniques.
Ultra trace analysis.
Electrochemistry.
Electrophoresis.
GFAAS (Graphite Furnace Atomic Absorption Spectrophotometry).
HPLC
IC (Ion Chromatography)
ICP-AES (Inductively Coupled Plasma Atomic Emission Spectrometry)
Mammalian and bacterial cell culture.
Molecular biology.
Plant tissue culture.
Qualitative analysis.

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