



750 series

WATER PURIFICATION SYSTEM

The 750 Series is a configurable system designed to meet the requirements of any laboratory accommodating water supply from a potable source. The comprehensive nature of the 750 series ensures suitability to different industry sectors.

Both RO (reverse osmosis) and UP (ultra pure) grades of water can be produced to varying degrees of Purity dependant on the intended use of the water.

TYPICAL APPLICATIONS

- General Laboratory Analysis
- Preparation of Stock Solutions
- Washing and rinsing of Glassware
- Analysis of Micro-Organisms
- Cell Culture
- DNA/RNA tests

FEATURES & FUNCTIONS

- CE Certified
- Products produced to European standard
- Auto Calibration for Water Purity
- Hourly re-purification cycle
- Automatic re-purification cycle set by Purity limit
- Set levels for filter change warning



Specifications

	FLOW Rate Option		
	750-1	750-2	750-3
Product flow rate (RO/UP)	Max. 18L/hr	Max. 28L/hr	Max. 38L/hr
Water quality display	Feed water: 0 to 999 $\mu\text{S}/\text{cm}$ (Optional) Pure water: 0.0 to 250.0 $\mu\text{S}/\text{cm}$ Ultra pure: 0.0 to 18.3 $\text{M}\Omega\cdot\text{cm}$		

	Configuration for each Purity Option			
	A	B	C	D
- 0.2 μm Final filter	STANDARD	STANDARD	STANDARD	STANDARD
- 254/185 UV lamp	NA	STANDARD	NA	STANDARD
- MW 5000 UF FILTER	NA	NA	STANDARD	STANDARD
	Water Quality Parameters			
- TOC (ppb)	5-10	0-5	5-10	0-5
- Endotoxin (Eu/m)	NA	NA	<0.001	<0.001
- Bacteria (cfu/m)	<1	<1	<1	<1
- Particles (>0.22 $\mu\text{m}/\text{m}$)	<1	<1	<1	<1

Applications

	A	B	C	D
Type 1 grade water	●	●	●	●
Analytical Instruments	●	●	●	●
AAS, ICP/MS, IC	●	●		●
HPLC, GC, TOC		●		●
Organic analysis		●		●
Cell & Tissue culture			●	●
In vitro fertilization			●	●
Electrophoresis			●	●
R Nase, D Nase & DNA free				●
Molecular Biology				●

General functions:

- Self test for ensuring correct functionality
- Auto cleaning functions;
 - On Power-Up: 30 sec to 5 min
 - On Ready Status: Automatic cleaning at regular intervals
 - On Standby Status: Automatic cleaning based on low purity level setting
- Built-in automatic sensor calibration
- Built-in automatic reset function
- Filter exchange indicator. (2 Programmable levels. Exchange prompted by onscreen message)
 - A/C filter - RO Pack - 750 UP Pack - 254/185 UV Lamp

Dimensions: 400x567x500mm

Power supply: 230V, 50/60Hz 60W

Safety functions:

- Low pressure limit for feed water
 - Automatic mode - Manual mode
- Automatic pump stop feature
 - Low pressure limit - Tank level limit

Display:

16x2 characters backlight LCD digital display

Optional accessories:

- PVDF 1/4 Dispensing gun
- Pretreatment system

A quick guide to help you select the model that meets your requirements

1. Select 'Flow Rate Requirement' 750-1, 750-2, 750-3
2. Select 'Purity Configuration' option A, B, C or D

Contact sales@pginstruments.com for further information