

Smart Mini *Instantly and fresh!*



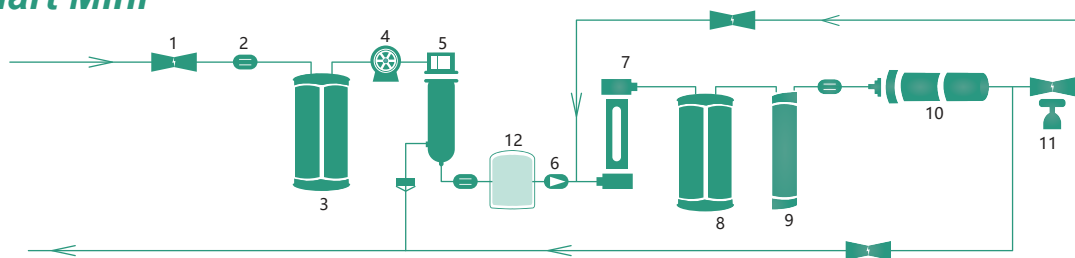
Introduction

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
- 2 Conductivity Sensor
- 3 Pre-treatment Module
- 4 Boost Pump
- 5 RO Module
- 6 Ball Valve
- 7 Dual Wave UV Cartridge
- 8 Purification Module
- 9 Ultra-Purification Module
- 10 Micro-Filtration Cartridge
- 11 Point-Of-Use Filter
- 12 Internal Water Tank(6L)

Configuration

SMART MINI system	SMART MINI
Pretreatment module	○
High pressure pump	○
Reverse osmosis	○
Dual wavelength UV-lamp	○
Ultra-purification cartridge	○
Microfiltration cartridge	○
Point-of-use filter	○
Internal Water Tank	○

Model	Smart Mini
Feed Water Requirement	
Source	Tap water
Conductivity*	< 2000us/cm
Hardness**	< 450ppm as CaCO ₃
Pressure	0.05~0.5MPa(7-72psi)
Temperature	5~40 °C
Purification Water(Class III)	
Ionic Rejection	> 95%
Bacteria Rejection	> 99%
Conductivity	1~20us/cm(RO-2 5us/cm)
Productivity Rate	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
Particulate(≥0.02um)	< 1pc/ml
Bacteria***	< 0.1cfu/ml
Rnase / Dnase**	N/A

Ultrapurification Water(Class I)	
Manual dispense flow rate	1.5~2L/min
Automatic dispense volume	100~60000ml
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50HZ/60HZ
Packing Information	
Net Weight	
Main units	32kg
Water tank	N/A
External Dimensions(W×D×H)	
Main units	315×525×570mm
Water tank	N/A
Shipping weight	
Main units	45kg
Water tank	N/A
Shipping Dimensions(W×D×H)	
Main units	525×610×770mm
Water tank	N/A

* 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 softener is recommended

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