

DW100 Serials Lab Water Purification System

Order Code:

DW100 (Basic-Q20); DW100T (Basic-Q20-IT, with 12L Linertank)

DW101 (Basic-Q38); DW101T (Basic-Q38-IT, with 12L Linertank)

DW102 (Basic-Q48)

Features:

1. LED controlling system
2. Display system running status
3. Single stage RO and 1 pump system: 1st pump, to achieve single stage RO system, easy to maintain
4. Easy-to-replacing cartridge: Independent cartridges design, with fast adapters, easy to replace, and running in low cost
5. Automatic microcomputer controlling system, LED real-time animation mode display
6. Running status is showed in the LED display, such as flushing, producing water, full tank, water shortage, leakage and service
7. Power on self-test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low and high pressure
8. 3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours continuously, extend the life of RO membrane
9. 2 kind of installation type, Desk and wall-mounted (except for 45 series and built-in tank model)
10. High-strength metal shell with powder painting technics, achieve elegant appearance and meeting GLP standard
11. Pretreatment cartridges, RO module, deionized cartridges, all designed to modularization independently, easy for maintenance and replacement
12. External water tanks is optional to meet different need and assure ample water-supply
13. Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality
14. Standard pretreatment (including PP fiber, and active carbon cartridge), effectively protect RO membrane and run in low cost
15. RO module with high quality membrane, ensure long life, stable operation and high desalinization rate
16. Precision mixed resin cartridge, combine high pure water quality and low running cost

Specifications:

1. Feed Water: Tap water, 5~45°C, 1~4 bar
2. Output:
 - 1) Q20, Q20-IT: 20L/hour
 - 2) Q38, Q38-IT: 38L/hour
 - 3) Q48: 48L/hour
3. Flowrate: Up to 2L/min (with fulfilled pressure tank)
4. Outlets: RO & DI

5. RO Water Quality: Ion rejection rate: >98% (New RO membrane); Organic rejection rate: >99% (MW>200Dalton); Particles and bacteria rejection rate: >99%
6. DI Water Quality: Resistivity: 13~17.5MQ.cm@25C; Heavy metal ion: <0.1ppb
7. Dimension and Weight:
- 1) 340x320x470mm; about 15Kg
 - 2) 535x320x470mm; about 20Kg (48 series & IT series)
8. Electrical Requirement: AC100~240V, 50/60Hz, 48W /72W /120W
9. System Configuration: Main body (Incl.1 set of cartridges) + accessory bag

Optional Parts:

- 1. UT Module: Bacteria: <0.01CFU/ml; Particles (>0.2um): <1/ml
- 2. External Tanks: 15~100L pressure tank; 20~200L PE tank (with optional immersing UV lamp / air filter)
- 3. Leakage Protection Leakage protection system

Cartridges:

- PC-10PP: 10" spun fiber cartridge, About 2-6 months
- PC-10AC-G: 10" granular active carbon cartridge, About 6 months
- PC-10AC-B: 10" active carbon block cartridge, About 6 months
- RO-100GPD: 100 GPD reverse osmosis membrane, About 12-24 months
- RO-200GPD: 200 GPD reverse osmosis membrane, About 12-24 months
- RO-300GPD: 300 GPD reverse osmosis membrane, About 12-24 months
- PTC-MBR-DW: Mixed bed resin cartridge, About 1000 liters pure water/set
- PTC-MBR-7.7L7.7l: mixed bed resin cartridge, About 16000 liters pure water