



Type 3 Water Maker

Clinical, pharmaceutical and research laboratories require laboratory grade distilled water or equivalent quality water that consistently meets stringent water standards. Water below a desired quality not only affects the chemistry of the test conducted but also damages the instruments, which in turn, reduces the reliability of the test and also increases calibration time and reagent cost. Ion Exchange with over five decades of experience in innovative total water management solutions presents INDION Lab-Q Water Maker. It is easy to install and has several built-in safety features for reliable and consistent water supply of purified laboratory grade water.

Features

- Online conductivity meter - displays product water quality for continuous monitoring
- Automatic Flush Device (AFD) ensures periodic cleaning of the system
- Dry run protection ensures protection of the pump when inlet water is unavailable
- Optional Filtration - filter can be attached at the point of dispensing spout to ensure compliance to microbial reduction values
- Spare Kit - Lab-Q Guard and Lab-Q Clear are included to avoid downtime
- Instant water dispensing with single touch user interface



Capacity: 10 LPH

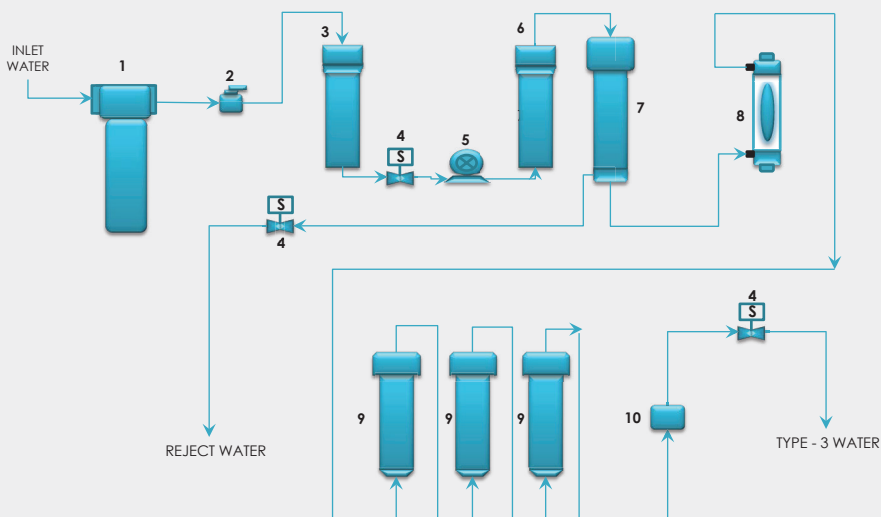
Advantages

- Provides an efficient alternative to buying and storing laboratory grade distilled water
- Compact and portable counter top model
- Low operating cost
- Minimum maintenance

Applications

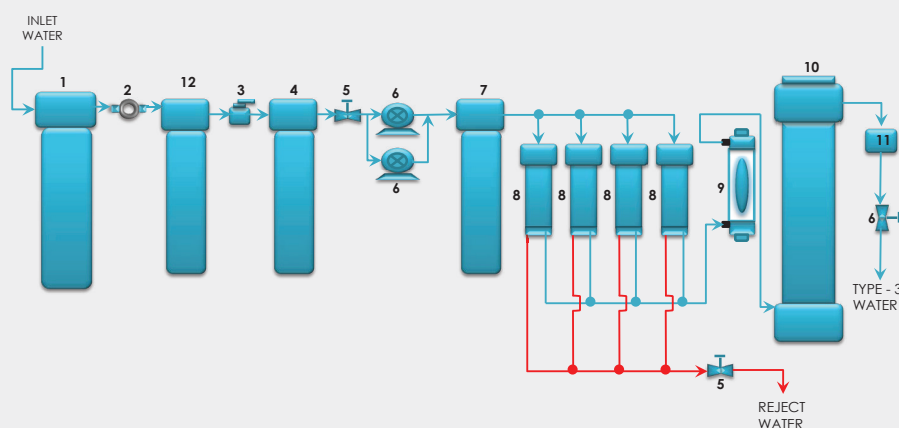
- Accessory for random access auto analyzers
- For reagent preparations and washing
- Instrument analysis
- Pharmaceutical industry
- Heating baths and biomedical applications
- Water for inverter batteries

Schematic Flow Chart for INDION Lab-Q Water Maker - 10 LPH



- 1 Lab-Q Guard
- 2 Low Pressure Switch
- 3 Lab-Q Clear Filter
- 4 Solenoid Valve (TLC, AFT, DISP)
- 5 RO Booster Pump
- 6 Lab-Q Sorb Filter
- 7 Lab-Q RO
- 8 UV-18 Module
- 9 Lab-Q Ion Cartridge
- 10 Conductivity Sensor

Schematic Flow Chart for INDION Lab-Q Water Maker Type-3 - 50 LPH



- 1 20" Big Blue Sediment Filter
- 2 Water Meter
- 3 Low Pressure Switch
- 4 Lab-Q 20" Sediment Filter
- 5 Solenoid Valve
- 6 Booster Pump
- 7 Lab-Q 20" Activated Carbon Filter
- 8 Lab-Q RO -100 GPD
- 9 UV -18 50L
- 10 Lab-Q Ion Cartridge -50 LPH (pack of 4)
- 11 Conductivity Sensor
- 12 Lab-Q 20" Super Sorb Filter

Feed Water Specifications

| Configuration | 10 LPH | 50 LPH |
|----------------------------|---|---------|
| TDS | 500 ppm max. | |
| Turbidity | 5 NTU | < 1 NTU |
| Iron / Magnesium | Nil | |
| Oil & Grease | Nil | |
| Free Chlorine | Nil | |
| Silica | <20 ppm | |
| Inlet Pressure | Min 0.5 kg/cm ² & Max 2.0 kg/cm ² | |
| Total Organic Carbon (TOC) | <3 ppm | |

Product Specifications

| Configuration | 10 LPH | 50 LPH |
|---------------------------------|-----------------|-----------------|
| Dimensions W x D x H (in mm) | 450 x 240 x 440 | 772 x 416 x 992 |
| Weight | 13 kg | 55.5 kg |
| Power Requirement | 230 VAC ± 10% | |
| Power Consumption | 40 Watts | 250 Watts |

Performance Parameters

| Flow Rate | 10 LPH | 50 LPH |
|----------------------------|--------|-----------|
| Turbidity | | <1 NTU |
| Conductivity | | <1 μS/cm |
| Total Organic Carbon (TOC) | | < 200 ppb |
| Resistivity | | > 1MΩ.cm |

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.



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Manufacturing Units

India - Ankleshwar | Hosur | Patancheru | Rabale | Verna | Wada

Overseas - Hamriyah | Indonesia | Bangladesh

All India Service and Dealer Network

www.ionindia.com | www.labwater.in

