

Water Purification system for Type 1 water

Item	Make	Model
Ultra-Pure water 18.2 mega ohm resistivity	ELGA Labwater	Option Q7

It should be a compact system capable of producing Ultra Pure Water from Potable feed water.

Prefiltration System: Three stage pretreatment system with 10, 5 & 1 micron spun filters for removal of suspended particles and to take care of F.I. in water.

Microprocessor - controlled Management Systems for continuous monitoring of water purity

- Should produce Ultra-Pure water (Type- 1) from tap water for different applications
- It should be single stage system with the filter at the tap with bacteria <1CFU/ml
- Should have R.O; D.I; and UV in a single unit
- It should have an integrated docking vessel 25 L for storing the water to save space
- It should have recirculation facility to maintain consistent peak water purity.
- Instrument should show water volume in reservoir graphically and in percentage.
- It should have cartridge change indicator.
- The production rate of the unit should be minimum 7 L/Hr. and the dispense rate should be minimum 1.0L/min.
- It should have dual wavelength UV (185/254 nm)
- Two years warranty including consumables.

Output Water Quality should be:

1. Rate of production : >7 Ltrs./Hr. @ 25 Degree C and upgradeable
2. Dispensing Rate: 1 L / min.
3. Inorganics: 18.2 MΩ- cm @ 25 Degree Celsius
4. TOC: 1-3 ppb
5. Bacteria: <1 CFU/ml
- 6 pH: Effectively Neutral