



## Chromatec Water purification system

Chromatec water purification system, P/N 451-0701, produces high quality deionized water for hydrogen generators loading and general laboratory applications. The device accommodates 3 levels of purification:

- Prefiltration, removing suspended particles, chlorinated hydrocarbons and other organic compounds
- Reverse osmosis, removing salts in water, reducing concentration by 10 times
- Ion exchange filtration provided by cationite, anionate and mixed bed filter.

The water purification system utilizes tap water and produces deionized water with resistivity better than  $10^{-10}$  MOhm-cm. Real-time display shows produced water resistivity. Easy maintenance and low-cost for running is provided by design.

### Technical Specification:

Feed water, pressure	Potable, 0.1 – 0.8 MPa
Product Water Resistivity at 25 °C	> $10^{-10}$ MΩ-cm
Productivity by deionized water	10 L/hour
Pressure of product water	1 – 3.5 Bar

### Cartridges longevity

Pre-treatment active carbon cartridge and particle filter	7000 hours
Reverse osmosis membrane	3500 hours
Ion exchange cartridge	700 hours

### Other specifications:

Power Requirements:	~220V ±10%, 50±1Hz
Power consumption:	40W
Dimensions: (WxDxH);	250 mm x 610 mm x 465 mm
Weight:	22 kg

Information and technical specification in this publication are subject to change without notice.

For more information please contact us at:  
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