

HEP 2000 High Efficiency Purifier



The HEP 2000 is a compact RO-based (reverse osmosis) water purification system that has been designed to provide 95%+ TDS reduction for demanding applications. It accomplishes this while producing a very small amount of waste water, unlike traditional RO systems. The HEP 2000 is also a water softener, reducing hardness by 99% without the use of salt.

Due to its proprietary flow path, there is no significant loss of pressure through the system and no repressurization is required.

The availability of on-demand purified water can be customized to the application using the supplied design guide.

Technical Specifications

Production per day	10600 litres	2800 USgal
Real-time production	7.6 Lpm	2 US GPM
Overall Dimensions W x D x H	38cm x 41cm x 127cm	15" x 16" x 50"
Weight	61 kg	135 lbs
Electrical requirements	120VAC, 11A Nominal	
Pressure drop, service flow	< 14 kpa at 80 Lpm	< 2psi at 20 US GPM
Maintenance solution capacity	2.2 Litres (733m ³ treatment @ 3ppm)	0.58 USgal (194,000USgal treatment @ 3ppm)

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Requirements

Feed Water		
Temperature	4 - 28°C	39 - 82°F
Feed water TDS, max*	1500 mg/L	
Feed water Hardness, max*	850 mg/L as CaCO ₃	50 gpg
Feed water pressure	200 - 550 kPa	30 - 80 PSI
Turbidity, max	< 1.0 NTU	
SDI, max	< 5.0	
Silica, max	25 mg/L SiO ₂	
Free chlorine	< 0.1 mg/L	
Iron, mg/L	Requires pre-treatment	
Manganese		
Hydrogen Sulfide (H ₂ S)		
Ambient Temperature	4-25°C	39 - 77°F
Prefilter, particulate	5 micron	

*For applications exceeding these limits, contact Torrent Water Systems for application-specific assistance.

Recommended Storage

Household size	Recommended setup	Reservoir Tank Dimensions (Diameter x H)	Reserve capacity	System Footprint (D x W)
1-3 people	Single tank	13" x 54"	102L (27 USgal)	16" x 30"
4-5 people	Single tank	14" x 65"	144L (38 USgal)	16" x 32"
6-8 people	Dual tank	14" x 65"	288L (76 USgal)	16" x 50"
9+ people	Triple tank	14" x 65"	432L (114 USgal)	16" x 60"