R.O. WATER PURIFIERS · DIRECT FLOW (HIGH FLOW)

HF-500 (High Flow) Water Purifier

Direct-flow reverse osmosis · 500 GPD · 5 × 100 GPD membranes · 20" filter housings

Direct-flow reverse osmosis water purifier with 20" filter housings, a 500 GPD pump and 5 × 100 GPD membranes for high output. It produces water on demand without storing it in a tank.

The 20" pre-filter cartridges give a long service life; a 10 bar gauge shows the operating pressure. Supplied with a shut-off valve or a solenoid valve.



CAPACITY **500** GPD (1,892 L/day)	FILTRATION **5** stages
MEMBRANE **5 ×** 100 GPD	PUMP **500** GPD

01 FILTRATION STAGES

Stage	Filter	Function	Replace
Stage 1	20" Sediment 5 µm	Retains sand, rust and sediment	6 – 12 months
Stage 2	20" GAC Carbon	Reduces chlorine, taste and odour	6 – 12 months
Stage 3	20" CTO Carbon	Reduces residual chlorine and organics	6 – 12 months
Stage 4	5 × 100 GPD Membrane	Separates dissolved salts and contaminants	12 – 24 months
Stage 5	2.5" Inline Post Carbon (Quick-connect)	Polishes taste and odour as the final stage	6 – 24 months

Replacement intervals are typical values and depend on water quality and usage.

02 OPERATING CONDITIONS

Feed water pressure	1 – 4 bar (with pump)
Feed water temperature	5 – 38 °C (41 – 100 °F)
Feed water TDS	Max. 500 ppm
Feed water pH	3 – 11
Power supply	220 – 240 V AC, 50 Hz
Pump supply	DC (via adapter)

03 TECHNICAL SPECIFICATIONS

Stock code	3-07-HF500
Filter housing	Standard 20" housing
Pump	500 GPD
Membrane	5 × 100 GPD
Faucet	Luxury faucet
Valve	Shut-off or solenoid valve
Pressure gauge	10 bar
Warranty / service life	2 years / at least 10 years

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04 FEATURES

- Direct flow: tankless, always fresh water
- High 500 GPD capacity
- 5 × 100 GPD membranes
- Standard 20" filter housings
- Pressure monitoring with 10 bar gauge

05 APPLICATIONS

- Busy offices and workplaces
- Cafés, restaurants and commercial kitchens
- Schools, dormitories and clinics
- Large households and multi-point use

06 INSTALLATION AND MAINTENANCE

01 Shut the cold water valve; fit the connection kit (feed adapter) to the cold water line.

02 Drill the worktop first with a 5 mm, then a 12 mm bit and mount the faucet.

03 Connect the inlet, faucet and drain tubing; plug in the adapter.

04 Open the valve and on first start-up flush the system by running the faucet for a few minutes.

> Do not connect the unit to hot water (above 40 °C). Replace the filters at least once a year; if the unit is not used for more than a month, close the inlet valve and unplug the adapter.

07 LOGISTICS

Model	Box Size (mm)	Box Weight
HF 500	300 × 475 × 870	17.50 kg

Vehicle	Pallets	Boxes / Pallet	Palletised	Loose
20' Container	10	16	160 pcs	168 pcs
40' DC Container	20	16	320 pcs	350 pcs
40' HC Container	20	24	480 pcs	525 pcs
Curtain-side Truck	26	24	624 pcs	672 pcs

Pallet size: 100 × 120 cm (ISO pallet).





The technical values in this document are for information purposes only and were obtained under standard test conditions. Actual performance may vary depending on water quality, temperature, pressure and operating conditions. HSC Water reserves the right to change technical specifications without prior notice as part of ongoing product development.

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