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

# HF-900 (High Flow) Water Purifier

Direct-flow reverse osmosis · 900 GPD · 6 × 150 GPD membranes · 20" filter housings

Direct-flow reverse osmosis water purifier with 20" filter housings, a 900 GPD pump and 6 × 150 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<br>**900** GPD (3,406 L/day) | FILTRATION<br>**5** stages |
| MEMBRANE<br>**6 ×** 150 GPD | PUMP<br>**900** 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 | 6 × 150 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-HF900 |
| Filter housing | Standard 20" housing |
| Pump | 900 GPD |
| Membrane | 6 × 150 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 900 GPD capacity
- 6 × 150 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 900 | 300 × 475 × 870 | 18.50 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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