INLINE FILTER SERIES · QUICK-CONNECT

HF-04 Capsule Membrane 80 GPD

HF type · Capsule reverse osmosis membrane · 80 GPD (299 L/day) · 97.5 % salt rejection · 4/6 stems

Sealed capsule-type reverse osmosis (RO) membrane filter for HF series units. No membrane housing is needed; the filter connects directly to the unit and is changed without opening a housing.

Water entering the membrane spiral under pressure flows over the surface of the semi-permeable membrane; only water molecules pass through its pores to the permeate outlet. The rejected substances flow off the surface and leave through the concentrate outlet to the drain.

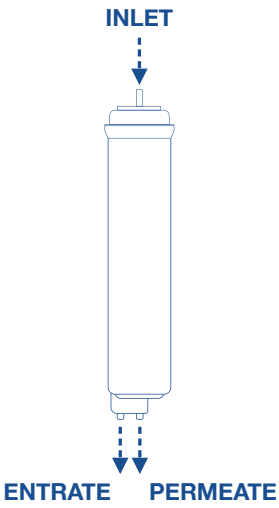


CAPACITY	SALT REJECTION
80 GPD (299 L/day)	**97.5** %
TEST PRESSURE	CHLORINE TOLERANCE
4.1 bar	**0** ppm

01 MODELS AND DIMENSIONS

Stock Code	Model	Capacity (GPD)	Capacity (L/day)	Salt Rejection (%)
6-25-HF04	HF-04 Capsule Membrane	80	299	97.5

Inlet at the top end; permeate and concentrate outlets at the bottom end (see drawing). Sealed (welded) capsule housing; the membrane cannot be opened and is replaced as a unit. Capacity and salt rejection are values under test conditions; actual production depends on water temperature, pressure and TDS.



02 OPERATING CONDITIONS

Test pressure	4.1 bar
Test concentration	250 ppm NaCl
Test solution pH	6.5 – 8.5
Test temperature	25 °C
Chlorine tolerance	0 ppm

03 MATERIALS

Membrane	Spiral-wound RO membrane
Housing	Plastic capsule, welded
Connection	Inlet at one end; permeate and concentrate at the other, 4/6 stems
Use	Disposable, sealed

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04 FEATURES

- Capsule design without a membrane housing
- 80 GPD (299 L/day) capacity, 97.5 % salt rejection
- Quick membrane change without opening a housing
- Sealed housing; no contact with the membrane at replacement

05 APPLICATIONS

- HF series reverse osmosis units
- Compact under-sink RO systems
- Service and membrane replacement

06 INSTALLATION AND REPLACEMENT

01 Shut off the unit's water supply and open the faucet to relieve pressure.

02 Disconnect the tubing of the used membrane from the quick fittings.

03 Fit the new membrane; connect the feed, permeate and concentrate tubing to the correct ends.

04 Open the water supply and discard the water produced in the first 20 – 30 minutes. Mark the change month on the label.

> The membrane's chlorine tolerance is 0 ppm; always use it with a carbon pre-filter and change the pre-filters regularly. Do not use with water that is microbiologically unsafe or of unknown quality without disinfection at the inlet or outlet of the system.

07 PACKAGING

Stock Code	Box Size (mm)	Pcs per Box	Box Weight
6-25-HF04	365 × 365 × 330	25	9.685 kg





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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