R.O. WATER PURIFIERS · HOUSING SERIES

Safir Housing Water Purifier

5-stage reverse osmosis · 75 GPD · 10" housing pre-filters · 8 L tank

SAFİR Reverse Osmosis Systems

5-stage reverse osmosis water purifier in the Safir cabinet, with its pre-filters in standard 10" filter housings. Standard 10" cartridges are economical and easy to replace.

It works with an 8 litre metal tank. Available with or without a pump to suit the mains pressure; an alkaline water option can be added on request.



CAPACITY	FILTRATION
75 GPD (284 L/day)	**5** stages
TANK	PUMP
8 L metal (2.2 gal)	**With / Without**

01 FILTRATION STAGES

Stage	Filter	Function	Replace
Stage 1	10" Sediment 5 µm	Retains sand, rust and sediment	6 – 12 months
Stage 2	10" GAC Carbon	Reduces chlorine, taste and odour	6 – 12 months
Stage 3	10" CTO Carbon	Reduces residual chlorine and organics	6 – 12 months
Stage 4	75 GPD Membrane Filter	Separates dissolved salts and contaminants	12 – 24 months
Stage 5	2" Inline Post Carbon (Quick-connect)	Polishes taste and odour as the final stage	6 – 24 months

Optional: an extra alkaline, mineral or bioceramic filter stage. Replacement intervals are typical values and depend on water quality and usage.

02 OPERATING CONDITIONS

Feed pressure (no pump)	3 – 7 bar
Feed pressure (with pump)	0.2 – 7 bar
Feed water temperature	5 – 38 °C (41 – 100 °F)
Feed water TDS	Max. 500 ppm
Feed water pH	3 – 11
Hardness	Max. 20 °F
Pump supply	24 V DC (via adapter)

03 TECHNICAL SPECIFICATIONS

Stock code	3-06-EP
Tank	8 L metal tank (2.2 gal)
Faucet	Luxury faucet
Connection	Quick-connect, 3/8" feed adapter
Valve	Shut-off valve
Unit size	260 × 460 × 380 mm
Filter housing	Standard 10" housing
Warranty / service life	2 years / at least 10 years

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04 FEATURES

- 5-stage reverse osmosis filtration
- Pre-filters in standard 10" filter housings
- Economical, easy cartridge change
- 8 litre metal tank
- Available with or without pump

05 APPLICATIONS

- Drinking and cooking water at home
- Under-sink kitchen installations
- Offices and small businesses
- Treatment of mains water

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 Place the membrane in its housing; cut the 1/4" tubing into three and connect the inlet, faucet and drain lines.

04 Open the valve (plug in the adapter on pump models); wait 1 hour for the tank to fill.

05 Drain the first tank through the faucet; once it refills, the unit is ready for use.

Do not connect the unit to hot water (above 40 °C). Pressure: below 3 bar use the pump model or a pump kit; above 7 bar fit a pressure reducer at the inlet. Replace the filters at least once a year; if unused for over a month, close the valve and empty the tank.

07 LOGISTICS

Model	Box Size (mm)	Box Weight
No pump	325 × 550 × 415	10 kg
With pump	325 × 550 × 415	12 kg

Vehicle	Pallets	Boxes / Pallet	Palletised	Loose
20' Container	10	30	300 pcs	350 pcs
40' DC Container	20	30	600 pcs	735 pcs
40' HC Container	20	36	720 pcs	882 pcs
Curtain-side Truck	26	36	936 pcs	1,008 pcs

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





pH ~8.5+ ALKALİ SU

Optional Alkaline Water Stage

A 2" inline alkaline filter fitted as an optional extra stage adds minerals such as calcium and magnesium to the reverse osmosis water and raises its pH to about 8.5 or above, giving a softer taste. Specify when ordering.

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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