R.O. WATER PURIFIERS · 2.2 G INLINE SERIES

221 Water Purifier

221 Series

5-stage reverse osmosis · 75 GPD · With / without pump · 8 L tank

5-stage under-sink reverse osmosis water purifier from the 2.2 gallon tank inline series. Mains water passing through the 2.5" inline pre-filters, the membrane and the final carbon filter becomes clean, great-tasting drinking water.

Its compact design fits easily into any kitchen. Available with or without a pump to suit the mains pressure, in matt colour or transparent housings; 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	2.5" Inline Sediment 5 µm (Quick-connect)	Retains sand, rust and sediment	6 – 12 months
Stage 2	2.5" Inline GAC Carbon (Quick-connect)	Reduces chlorine, taste and odour	6 – 12 months
Stage 3	2.5" Inline CTO Carbon (Quick-connect)	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	3-05-221
Tank	8 L metal tank (2.2 gal)
Faucet	Luxury faucet
Connection	Quick-connect, 3/8" feed adapter
Valve	Shut-off valve
Unit size	275 × 415 × 385 mm
Matt colour options	○ ● ● ●
Transparent colour options	● ● ●
Warranty / service life	2 years / at least 10 years

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Made in Türkiye

04 FEATURES

- 5-stage reverse osmosis filtration
- Easy filter change with quick-connect fittings
- 8 litre metal tank
- Available with or without pump
- Matt colour and transparent housing options

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	285 × 488 × 415	6.75 kg
With pump	285 × 488 × 415	8.75 kg

Vehicle	Pallets	Boxes / Pallet	Palletised	Loose
20' Container	10	40	400 pcs	480 pcs
40' DC Container	20	40	800 pcs	960 pcs
40' HC Container	20	48	960 pcs	1,152 pcs
Curtain-side Truck	26	48	1,248 pcs	1,296 pcs

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





pH ~8.5+ ALKALİ SU
Seçeneği ile Tercih Edebilirsiniz

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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