



N.J. POWER & CO.
Water Pumps | Fountain Technology

PRODUCT BROCHURE

— PRODUCT RANGE

Water Treatment

Filter housings, UV sterilisers, reverse osmosis and treatment tanks, for homes, farms and business.



20" JUMBO FILTER HOUSING



THE RANGE AT A GLANCE

Treat the problem you have

Well, borehole or mains, water can carry grit, chlorine, hardness or microorganisms. Each needs a different treatment. Here's which product does which job.

**10" filter housings**

Whole-house sediment and carbon

**20" and jumbo housings**

Wells, boreholes, heavy sediment

**UV sterilisers**

Microorganisms, no chemicals

**Compact RO**

High-flow drinking water

**5-stage RO**

Under-sink drinking water

**FRP treatment tanks**

Softening, carbon and multimedia

Match the treatment to the problem

Problem	Treatment	Product
Sand, grit, rust	Sediment filter	Housing with PP or cotton cartridge
Chlorine, taste, odour	Carbon filter	Housing with block carbon cartridge
Microorganisms	UV sterilisation	UV steriliser
Hardness and scale	Softening	FRP tank with softener resin
Dissolved solids, heavy metals	Reverse osmosis	Compact or 5-stage RO

Treatment order

1 Sediment



2 Carbon



3 UV

Filter first, so particles can't shade microorganisms from the UV light.

Tell us where your water comes from

We'll put together the right treatment.

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10" AND 20" · STANDARD AND JUMBO

Water filter housings

Fit one upstream of the pump or the house supply. It catches sand, grit and rust before they reach impellers, seals and valves.



10" Standard



10" Double



10" Jumbo



20" Standard



20" Jumbo

Models

Housing	Stages	Cartridge	Ports	Max. flow	Best for
10" Standard	1	2.5" × 10"	¾" brass	40 l/min	Whole-house, mains
10" Double	2	2 × 2.5" × 10"	¾" brass	40 l/min	Sediment, then carbon
10" Jumbo	1	4.5" × 10"	1" brass	58 l/min	Wells and boreholes
20" Standard	1	2.5" × 20"	1" brass	58 l/min	Higher demand, slim fit
20" Jumbo	1	4.5" × 20"	1" brass	58 l/min	Heavy sediment loads

Flow without cartridge. Blue or clear bowls; a clear bowl shows when the cartridge needs changing.

Cartridges

Cotton threaded

Sediment: sand, grit and rust

PP sediment

Sediment: fine suspended particles

Block carbon

Chlorine, taste and odour

Every housing takes all three, in its own size.

Installation & operation

Seal threads with PTFE tape only, never paste or hemp.

Press the relief button to release pressure before opening the bowl.

Keep away from heat sources, or fit a non-return valve.

Max. pressure
7 bar at 20 °C

Max. temperature
40 °C

Limits for the 10" and 20" standard housings.



16 TO 110 W

UV sterilisers

Water passes a UV lamp on its way to the tap. The light treats microorganisms without chemicals, and adds no taste or smell.

Key features

- **Targets what filters miss.** 254 nm UV damages the DNA of microorganisms, including Giardia and Cryptosporidium.
- **No chemicals.** Nothing added to the water, nothing to dose.
- **Stainless chamber.** Lamp sealed in a quartz sleeve.
- **Sized to the flow.** From 7.6 to 91 l/min.



Models

Model	Lamp	Max. flow	Connection	Length	Lamps
UV-16	16 W	7.6 l/min	½"	330 mm	1
UV-25/30	25 W	23 l/min	½"	470 mm	1
	30 W	38 l/min	¾"	927 mm	1
UV-55	55 W	45 l/min	¾"	927 mm	1
UV-110	110 W	91 l/min	1"	927 mm	2

Installation & operation

Fit it last, after the sediment and carbon filters. Clear water lets the UV light reach every microorganism.

Leave room at one end to slide the lamp and sleeve out for changing and cleaning.

Size to peak flow, not the average. Water that moves too fast gets too short a dose.

Keep it switched on. The lamp only treats water while it is lit.

Tell us your peak flow

We'll match the UV size and the filters to fit before it.

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COMPACT RO • 1200 GPD

High-flow drinking water

Reverse osmosis under the sink, in a unit just 150 mm wide. It fills a glass in about five seconds, not a trickle.

Key features

- **1200 GPD.** About 4,540 litres a day, at 3.12 l/min.
- **Small footprint.** Built for tight under-sink spaces.
- **Twist-and-pull filters.** Both change by hand: no tools, no plumber.
- **Tells you when.** Filter-life reminder and LED status light.
- **NSF-certified membrane.** Reduces dissolved solids and heavy metals.



Two-stage filtration

STAGE 1**PP sediment + block carbon**

Takes out grit, chlorine, odour and organics, and protects the membrane from chlorine.

**STAGE 2****NSF RO membrane**

Reduces dissolved solids, heavy metals and other contaminants.



OUTPUT
Drinking water

Specification

Capacity	1200 GPD
Flow rate	3.12 l/min
Stages	2
H × W × D	435 × 150 × 447 mm
Suitable for	Homes, offices, light commercial

Installation & operation

Needs a mains socket under the sink.

Needs a drain connection for the reject water.

Supplied with a drinking-water tap, tubing and installation kit.



5-STAGE RO · WITH BOOSTER PUMP

Under-sink RO system

Five filters in series and a storage tank, for a dedicated drinking-water tap in the kitchen, office or restaurant.

Key features

- **Five stages.** Sediment, two carbons, RO membrane and a taste polisher.
- **Booster pump fitted.** Keeps the membrane working on low mains pressure.
- **Water on demand.** 3 gallon storage tank, ready at the tap.
- **Standard 10" cartridges.** Easy to find, easy to change.



The five stages

#	Cartridge	Rating	What it does	Change every
1	PP spun fibre	1 µm	Removes larger suspended particles	4–6 months
2	Granular carbon	5 µm	Removes organics, chlorine, odour and turbidity	6–12 months
3	Block carbon	1 µm	Takes out what stage 2 leaves behind	6–12 months
4	RO membrane	0.0001 µm	Removes bacteria, heavy metals, dissolved matter and salinity	12–24 months
5	Inline carbon	5 µm	Polishes the taste of the treated water	6–12 months

Change intervals are typical and depend on water quality and use.

Specification

Capacity	50 GPD
Tank	3.0 gallon, plastic
Pump	Diaphragm booster, 220 V
Cartridges	Standard 10"
W × D × H	360 × 145 × 440 mm

Feed water

For mains (municipal) water. On a well or borehole, treat the supply first.

Inlet pressure 1.0–3.0 bar	Water temp. 5–45 °C
Inlet TDS Max. 250 ppm	Flushing Manual



FRP · 39 TO 104 LITRES

Water treatment tanks

One fibreglass vessel, three jobs. Fill it with softener resin, activated carbon or multimedia, and size it to the flow you need.

Key features

- **No rust, ever.** Fibreglass-reinforced plastic won't corrode inside like steel.
- **Light to handle.** One person can position it by hand.
- **Standard 2.5" top.** Takes the usual top-mounted control valves.
- **10 bar rated.** Liquids up to 50 °C.
- **Stands on its own base.** Supplied with base fitted.



Sizes

Size (in)	Volume	Ø × H (mm)	Connection	Max. pressure
10 × 35	39 L	250 × 875	2.5" top	10 bar
10 × 44	50 L	250 × 1100	2.5" top	10 bar
13 × 54	104 L	330 × 1350	2.5" top	10 bar

Supplied as an empty vessel with base. Media, control valve and internals sold separately.

Choose the media

Softener resin

Removes hardness, so less scale in kettles, boilers and pipes.

Activated carbon

Reduces chlorine, taste and odour across the whole supply.

Sand / multimedia

Traps sediment and cloudiness at higher flows than a cartridge.

Not sure which size or media?

Tell us your flow and a water test result, and we'll size it.

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N.J. POWER & CO.
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WHY N.J. POWER

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Friday **8:30 – 16:30**

Lunch (closed) **13:00 – 14:00**

Saturday & Sunday **Closed**



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