



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

PRODUCT BROCHURE

— PRODUCT RANGE

Pressure Vessels & Accessories

Vessels from 2 to 1000 litres, plus the switches, gauges, couplings and fittings that finish the job.



VERTICAL PRESSURE VESSEL

THE RANGE AT A GLANCE

Everything after the pump

Vessels to store pressure and stop short-cycling, controls to start and stop the pump, and the couplings and fittings to connect it all.



Drinking-water vessels

2–1000L, vertical and horizontal



Heating expansion

Closed heating circuits



High pressure

Systems above 10 bar



Switches

Pressure and float control



Gauges and 5-way

Read and connect the system



Flexible couplings

Isolate the pump, ½" to 2"



Brass fittings

½" to 2", ten types



Polypropylene fittings

Blue-pipe and threaded

Choose the vessel

Vessel	Use	Sizes	Max. pressure	Pre-charge
Drinking water, vertical	Pumps and booster sets	2–1000L	8–10 bar	2–3.5 bar
Drinking water, horizontal	Pump sits on the vessel	36–100L	10 bar	2 bar
Heating expansion	Closed heating circuits	50–500L	6 bar	1.5 bar
High pressure	Systems above 10 bar	20–100L	16 bar	2 bar

Tell us the pump and the pressure you need

We'll size the vessel and set it up.

+353 1 456 4099



— DRINKING WATER · 2 TO 24 LITRES

Potable pressure vessels

Small vessels for booster pumps and point-of-use systems. They hold water under pressure, so the pump doesn't start every time a tap opens.

Key features

- **Fewer pump starts.** Small draws come from the vessel, not the pump.
- **Safe for drinking water.** Water sits in a potable-grade membrane, never against the steel.
- **Up to 10 bar.** 8 or 10 bar maximum working pressure, by size.
- **Hot or cold.** Working temperature up to 93 °C.
- **Pre-charged.** Set at the factory, adjustable on site at the air valve.



Models

Model	Capacity	Max. pressure	Pre-charge	Connection	Ø × H (mm)
2LV	2L	10 bar	3.5 bar	½"	125 × 237
3LV	3L	10 bar	2 bar	1"	130 × 215
5LV	5L	8 bar	3.5 bar	¾"	160 × 325
8LV	8L	8 bar	3.5 bar	¾"	200 × 330
12LV	12L	8 bar	3.5 bar	¾"	270 × 310
18LV	18L	8 bar	3.5 bar	¾"	270 × 415
24LV	24L	10 bar	2 bar	1"	295 × 415

Setting the right pressure

Fixed-speed pumps: 0.2 bar below the pump's cut-in pressure.

Variable-speed pumps: 20% below running pressure.

Check it once a year, with the pump off and the water side at zero pressure.

Installation & operation

Fit close to the pump outlet, ideally on a brass 5-way connector.

Add an isolating valve so the vessel can be serviced.

Mounting
Vertical

Use
Hot and cold water

— DRINKING WATER · 36 TO 1000 LITRES

Large potable vessels

For homes, farms and booster sets. Vertical models stand on their own legs; horizontal models carry the pump on top.

Key features

- **Longer pump life.** More stored water means fewer, longer runs.
- **10 bar rated.** Pre-charged to 2 bar at the factory.
- **Pump on top.** Horizontal models have a pump stand built in.
- **Drinking-water safe.** Water stays inside the membrane, away from the steel.



Vertical models

Model	Capacity	Max. pressure	Pre-charge	Connection	Ø × H (mm)
36LV	36L	10 bar	2 bar	1"	350 × 415
60LV	60L	10 bar	2 bar	1"	379 × 825
100LV	100L	10 bar	2 bar	1"	450 × 910
200LV	200L	10 bar	2 bar	1½"	554 × 1250
300LV	300L	10 bar	2 bar	1½"	624 × 1370
500LV	500L	10 bar	2 bar	1½"	790 × 1460
1000LV	1000L	9.5 bar	2 bar	2"	945 × 1912

Horizontal models

Model	Capacity	Max. pressure	Pre-charge	Connection	Ø × L (mm)
36LH	36L	10 bar	2 bar	1"	385 × 384
60LH	60L	10 bar	2 bar	1"	390 × 536
100LH	100L	10 bar	2 bar	1"	430 × 710

1000LV: max. liquid temperature 50 °C. Set the pressure as shown on page 3.



MAXIVAREM LR · PLUSVAREM

Heating and high pressure

Vessels for two jobs: absorbing expansion in closed heating circuits, and storing pressure where 10 bar isn't enough.

**6 BAR · 50 TO 500 LITRES**

Heating expansion vessels

Water expands as a heating system warms up. The vessel takes up that extra volume, so the pressure stays in range and the relief valve stays shut.

Replaceable membrane and galvanised steel flange. For closed heating circuits, not drinking water.

Model	Capacity	Max. pressure	Pre-charge	Connection	Ø × H (mm)
50L-E	50L	6 bar	1.5 bar	¾"	380 × 620
80L-E	80L	6 bar	1.5 bar	1"	450 × 650
100L-E	100L	6 bar	1.5 bar	1"	450 × 730
150L-E	150L	6 bar	1.5 bar	1½"	554 × 810
200L-E	200L	6 bar	1.5 bar	1½"	554 × 988
250L-E	250L	6 bar	1.5 bar	1½"	624 × 1006
300L-E	300L	6 bar	1.5 bar	1½"	624 × 1160
500L-E	500L	6 bar	1.5 bar	1½"	790 × 1250

**16 BAR · 20 TO 100 LITRES**

PlusVarem high-pressure vessels

For commercial boosting and high-rise systems where a 10 bar vessel would be over its limit. Rated to 16 bar, pre-charged to 2 bar, with a replaceable membrane. Stainless flange available on request.

Model	Capacity	Max. pressure	Pre-charge	Connection	Ø × H (mm)
20L-HP	20L	16 bar	2 bar	1"	250 × 509
50L-HP	50L	16 bar	2 bar	1"	379 × 759
100L-HP	100L	16 bar	2 bar	1"	450 × 910

Both ranges: working temperature -10 to +99 °C.



SWITCHES, GAUGES AND CONNECTORS

Pressure and level control

The parts that tell a pump when to run and show you what the system is doing.



PUMP CONTROL

Pressure switch

Starts the pump when pressure drops to cut-in and stops it at cut-out. Both points adjust on site.

Adjustable 1.4–4.6 bar

Factory set 1.4–2.8 bar



LEVEL CONTROL

Float switch

Switches a pump on water level: fill a tank, or empty a sump. Single or dual function, on H07RN-F cable with a counterweight to set the switching level.

220–240 V · 50 Hz

10 or 16 A

Max. 55 °C



MONITORING

Pressure gauge

See system pressure at a glance, and check cut-in and cut-out when you set the switch. Dual bar and psi scale.

0–6 bar

0–10 bar



CONNECTION

Brass 5-way connector

One fitting joins the pump, vessel, pressure switch, gauge and outlet. Fewer joints, a neater install.

1" body

1/4" ports for switch and gauge



COUPLINGS AND FITTINGS

Fittings

Flexible couplings to isolate the pump, and brass and polypropylene fittings from ½" to 2".

Stainless flexible couplings

- **Quieter installs.** Stops pump vibration travelling down the pipework.
- **No kinks.** Corrugated HDPE core bends tight without collapsing.
- **Built to last.** AISI 304 stainless braid and sleeves, brass ends.
- **Drinking-water approved.** Fitted by hand, no tools.



Size	Hose I.D.	Hose O.D.	Min. bend radius	Pressure	Max. temp.
½"	16 mm	22 mm	—	10 bar	70 °C
¾"	19 mm	25 mm	35 mm	10 bar	70 °C
1"	26 mm	32 mm	45 mm	10 bar	70 °C
1¼"	32.5 mm	40 mm	60 mm	10 bar	70 °C
1½"	36 mm	44 mm	70 mm	10 bar	90 °C
2"	48 mm	55 mm	100 mm	10 bar	90 °C

Brass and polypropylene fittings



Brass fittings

 EN 1982 brass · ½" to 2" · drinking-water safe

Nipple Reducing nipple Socket Reducing bush Elbow MF Elbow FF
Tee Union MF Union FF Cap



Blue-pipe compression

 Polypropylene · 19 mm × ½" to 63 mm × 2"

Straight Male adaptor Female adaptor Elbow Male elbow
Female elbow Tee Ball valve



Threaded polypropylene

 Impact resistant · ½" to 2"

Nipple Reducing nipple Socket Reducing socket Reducing bush
Elbow MF Elbow FF Tee



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

WHY N.J. POWER

Quality products. Expert advice.

Since 1989

Over 35 years in pumps. More than 100 products from 10+ brands.

Authorised distributor

Genuine products, backed by the manufacturer.

Technical support

Talk to people who know pumps. We'll match the right one to the job.

2-year warranty

Two years' cover, as standard.

Nationwide delivery

To site or door, anywhere in Ireland.

Trade counter

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Lunch (closed) **13:00 – 14:00**

Saturday & Sunday **Closed**



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