



flowtech[®]
WATER SOLUTIONS



flowvess[®]

HWR-V Expansion Vessel

DATA SHEET

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**6 Bar
Rated**
PRESSURE
RATING

CE
CE MARKED

PRODUCT OVERVIEW

Flowvess HWR-V Range

The **flowvess** HWR-V range are designed for use in closed heating system installations, rated for a maximum operating pressure of 6 bar.

With a wide range of sizes from 8 to 800 litres and a choice of pre-charge pressure. The Flowvess HWR-V expansion vessels are made of top-quality steel. Epoxy coated in grey.

The two halves of the vessel and the non-replaceable diaphragm, are retained by a crimped collar to give a pressure tight seal on all sizes. Suitable for flow temperatures up to 120°C, resistant to ethylene or propylene glycol mixtures and has low gas permeability.

In a closed heating system water cannot be compressed so any increase in volume, created by an increase in temperature, has to be accommodated by an expansion vessel.

When water is cold, the pre-charge pressure forces the diaphragm against the tank towards the inlet. As the temperature increases, the expanded water volume pushes against the diaphragm creating additional volume for the water to enter. When the temperature decreases, the pre-charge pressure forces the water from the tank and back into the main heating system. This maintains a constant pressure within the heating system helping to reduce energy consumption.

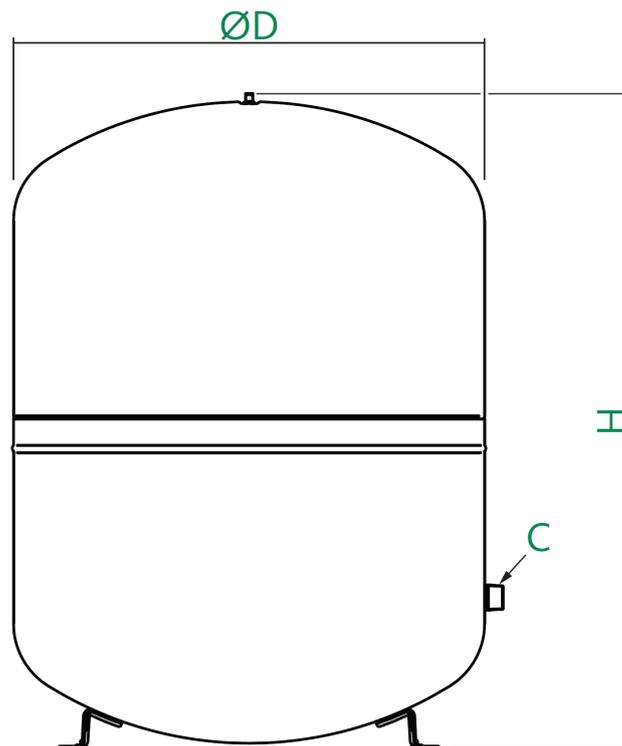
- Available as 6 bar Rated
- Capacity: 8 - 800 litre
- Maximum operating temperature: 70°C
- Suitable for flow temperatures: 120°C
- Each vessel is factory tested.
- 5 Year Warranty

MODELS & DIMENSIONS DATA

MODEL	Litres	ØD	H	C Connection	Weight Kgs
flow ness HWR-V 8	8	272	236	3/4"	1.7
flow ness HWR-V 12	12	272	313	3/4"	2.8
flow ness HWR-V 18	18	308	360	3/4"	3.6
flow ness HWR-V 25	25	308	481	3/4"	4.4
flow ness HWR-V 35	35	376	466	3/4"	5.6
flow ness HWR-V 50	50	441	487	3/4"	9.6
flow ness HWR-V 80	80	512	558	1"	13.3
flow ness HWR-V 100	100	512	669	1"	15.8
flow ness HWR-V 140	140	512	890	1"	19.9
flow ness HWR-V 200	200	634	758	1"	37
flow ness HWR-V 250	250	634	890	1"	45
flow ness HWR-V 300	300	634	1090	1"	52
flow ness HWR-V 400	400	740	1066	1"	65
flow ness HWR-V 500	500	740	1290	1"	79
flow ness HWR-V 600	600	740	1530	1"	85
flow ness HWR-V 800	800	740	1995	1"	103

All dimensions in mm

DIMENSIONAL DRAWINGS & SCHEMATICS





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Our member's will be granted exclusive access to our **flowview**[®] technical resource library. Within this resource is a wide range of product information including data sheets, technical drawings, O&M Manuals and training videos



flowcare[®]

AFTER SALES SERVICE

At **flowtech**[®] we operate a network of Service Engineers located throughout the UK who are supported by our offices located in Greater Manchester. The distribution of engineers means that in the majority of cases we are less than 4 hours away from attending a customer call out.

We place great emphasis on providing technical back up to support our Service Engineers in resolving some difficult operational and technical issues. We pride ourselves on completing a project on time, within budget and never leaving a problem unresolved, or a customer waiting. This quality of service has made us the first choice for our customers.

FOR FURTHER INFORMATION OR ASSISTANCE

contact us

Flowtech Water Solutions are experts in water services and water booster sets. We have continuously supplied a wide range of standard and custom products since being founded in 1996.

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