

Expansion Tanks

Expansion Tanks Built for **Performance**.

Optimise Your Heating & Cooling Systems with Trusted Reliability.

Why Choose Wilson HVAC Expansion Tanks?

At Wilson HVAC, we specialise in high performance HVAC system components designed to ensure system safety, efficiency and longevity.

Key Features:

- Pre-pressurised with nitrogen
- Suitable for use in external plant deck
- Available in a wide range of sizes (12-1000L)
- Temp range: -10°C to 90°C
- Max working pressure: 10 Bar
- Relief valve supplied
- Replaceable EPDM membrane
- Optional: All sizes available with optional fill kit with RPZD
- Manufactured to EN13831/ISO9001



Proper Sizing of Expansion Tanks: Why It Matters

Correctly sizing an expansion tank is essential for maintaining pressure stability and protecting your HVAC system. An undersized tank can lead to pressure spikes, system damage, or relief valve discharge, while an oversized tank may increase costs unnecessarily.

Key Factors in Sizing an Expansion Tank:

- » **System Volume** – Total volume of water or fluid in the closed loop
- » **Operating Temperature Range** – Temperature increase causes fluid expansion
- » **Initial System Pressure** – Typically based on building height or system requirements
- » **Maximum Allowable Pressure** – Set by the weakest component or safety valve



MODEL	CAPACITY (Litres)	WORKING PRESSURE / PRE CHARGE PRESSURE	DIMENSIONS (Width/Length)
WEX-0012	12	10 bar / 2 bar	240mm/375mm
WEX-0050	50	10 bar / 2 bar	350mm/722mm *
WEX-0100	100	10 bar / 3 bar	500mm/886mm *
WEX-0150	150	10 bar / 3 bar	600mm/1100mm *
WEX-0200	200	10 bar / 3 bar	600mm/1100mm *
WEX-0300	300	10 bar / 4 bar	646mm/1290mm *
WEX-0500	500	10 bar / 4 bar	762mm/1500mm *
WEX-0750	750	10 bar / 4 bar	800mm/1720mm *
WEX-1000	1,000	10 bar / 4 bar	800mm/2195mm *

*Supplied with support legs

**Subject to change without prior notification for critical applications contact Wilson HVAC