



**PRECISE PRESSURE
CONTROL.**

**PROVEN SYSTEM
PROTECTION.**

**LOWER LIFECYCLE
COST.**

Armstrong's Expansion Vessel stabilizes system pressure and protects HVAC and water systems from overpressure.

The result: fewer failures, longer equipment life and lower total lifecycle cost.

Designed for reliable long-term operation, the Armstrong Expansion Vessel provides dependable pressure management for a wide range of applications.

KEY FEATURES

Advanced bladder technology

EPDM or butyl diaphragm helps prevent water contact with steel for corrosion resistance and hygiene.

Nitrogen pre-charge

Maintains stable pressure longer with less need for recharging.

Replaceable bladder on select models

Simplifies maintenance and helps reduce lifecycle cost.

Steel construction

Robust welded design with protective coatings for long service life.

Broad operating range

Suitable for residential, commercial and industrial applications, with models up to 16 bar and large system volumes.

Glycol compatible

Supports up to 50% glycol for HVAC and cooling systems.

BENEFITS:



Protects the system

Controls pressure fluctuations to reduce breakdowns and extend equipment life.



Supports efficient operation

Maintains stable system conditions to help optimize performance and reduce energy use.



Reduces maintenance

Durable construction and high-quality bladder technology help lower service demands and lifecycle cost.

TECHNICAL SPECIFICATIONS

Parameter	Range
CAPACITY	8 L to 1000 L
MAX PRESSURE	6 bar to 16 bar
TEMPERATURE RANGE	-10°C to 100°C* (application dependent)
PRE-CHARGE	Factory set (1.5 bar to 6 bar** typical)
MATERIALS	Steel vessels (S235JR), EPDM or butyl bladder
COMPLIANCE	PED 2014/68/EU, EN13831, DIN4807

* (-10 / 70 °C for 6 bar, -10 / 100 °C for 10 bar, 1 / 70 °C. for 16 bar)

** (1.5 bar for 6 bar MWP, 2.7 bar for 10 bar MWP, 6 bar for 16 bar MWP)

Get in touch

with Armstrong for expert sizing and selection support to identify the right AEV expansion vessel for your system.

Contact us for:

- Sizing support
- Technical selection
- Project-specific optimization