

Pre-pressured expansion vessel AT 8325-



Product information

Vessel made of AISI 304 stainless steel with a replaceable EPDM rubber diaphragm. Suitable for water, glycol or ethanol mixtures of up to 50%.

Dimension range (litres)	8 - 100
PN	8 - 15
Temperature (°C)	-10 - 99
Main material	Stainless steel

Area of use

Stainless steel tanks with replaceable bladder, for sanitary water.

Tender text

PLC.41 Closed expansion vessels with separate compartments for liquid and gas

Quality assurance

PED 2014/68/EU

The product is CE marked

Product marking: Nameplate showing manufacturer, specifications for maximum temperature and maximum pressure, model number, serial number, date of manufacture and pre-pressure.

Energy and environment declaration

Subject to notification under REACH: No

Reach date: 12/06/2026

Measurements and weight

Dimension range (litres): 8 - 100

Measurements

Item number	Ø	B
8325-2	135	230
8325-8	205	345
8325-18	270	415
8325-24	270	515
8325-100	500	820



Function and design

The stainless steel tank is corrosion-resistant, durable and easy to maintain, ideal for humid environments and for ensuring water quality.

All tanks are equipped with EPDM bladders for long life, with models from 0,16 to 2 litres using butyl bladders for greater elasticity and chemical resistance.

Technical data

Main material: Stainless steel

Main material code: Stainless steel AISI 304 (1.4301)

Included materials: Stainless steel, Rubber

Included material code: Stainless steel AISI 304 (1.4301), EPDM (ethylene propylene diene monomer rubber)

Temperature (°C): -10 - 99

PN: 8 - 15

Connection: External thread ISO 228-1 (G, BSPP)

ETIM classification: EC010958 - Membrane pressure expansion vessel

BK04 code: 20003 Expansion tanks and systems

Comment to colour: Stainless steel

Installation and maintenance

Possible mounting position: Horizontal

Operation.

- During operation, check the system pressure every two weeks; it should be close to the minimum when the system is cold and close to the maximum when the system is warm.
- Note the system pressure at an outdoor temperature of 0°C and at an outdoor temperature of -10°C.
- If the pressure has dropped, water must be added, but not too much. Top up so that the pressure is at the same level as previously noted.

Maintenance – checking and adjusting the charging pressure.

- The charging pressure in the expansion tank should be checked once a year. In systems where the tank is used in

connection with water supply and pressure surges, it is recommended that the charge pressure be checked twice a year.

- First check whether the diaphragm is defective. This is done by removing the cap from the air valve and pressing the valve with a match or similar. If water comes out, the diaphragm is defective.
- To check the charge pressure, close the service valve and drain the tank of water. Check the charge pressure with a pressure gauge and adjust if necessary by filling with air using a compressor. Small vessels can be taken to a petrol station and refilled there.
- The vessel is reinstalled and the system is refilled with water so that the pressure is at the same level as when the vessel was disconnected.

Installation

- The expansion tank is fitted to the return pipe in the system.
- The charge pressure of the tank is checked before fitting. The charge pressure depends on the tank's application – see the section on setting the correct charge pressure below.

The company's management system
is certified by DNV
ISO 9001 • ISO 14001

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