

Internet_Variants

Dimension range	PN	Temperature range	Material
100-1000 liters	10/16	0 °C to 160 °C	Steel

Range of application

To protect the rubber bellows and pressure maintenance equipment of the expansion vessel against over-temperature and to prevent overheating and boiling in open expansion vessels.

PLD.5 Cooling Vessel

Cooling vessel AT 8303F with volume liters for connection before expansion vessel and pressure maintenance systems.

Quality Assurance

All sizes are in accordance with AFS 2016:1 and are CE-marked.

Material specification

1	Mantle	steel	1.0425
2	Gables	steel	1.0425
3	Support legs	steel	1.0038

Surface treatment: exterior coated RAL 7038

Dimension 8303F

Volume	100	150	200	300	400	600	800	1000
A	400	450	450	550	640	800	800	800
B	1065	1225	1545	1570	1560	1540	1945	2385
C	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

Dimension 8303F16

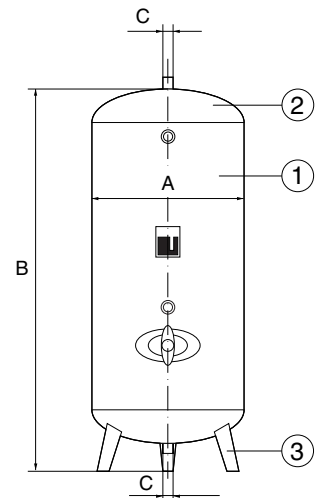
Volume	100	150	200	300	400	600	800	1000
A	400	450	450	550	640	800	800	800
B	1080	1235	1565	1585	1580	1560	1970	2385
C	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

Function and design

The vessel acts as a cooler, to prevent the temperature in the expansion vessel to exceed maximum temperature. Utilizes that colder fluid is heavier than warmer, wherein stratification occurs. Installed before the expansion vessel and pressure maintenance unit. The cooling vessel volume must be at least 20% of the expansion vessel volume.

Technical information

AT 8303F for max. operating pressure 10 bar max. operating temperature 160 °C.
 AT 8303F16 for max. operating pressure of 16 bar and max. operating temperature 160 °C.



Installation

The vessel should be mounted in the pipe-line between system and the expansion vessel. This means that incoming tubes from the system should be connected to the top and outgoing tube should be connected to the bottom connection.

Maintenance and spare parts

Internal inspection is possible by the vessel's inspection cover.

Marking

Volume data, PN, materials, manufacturing year, manufacturer's name and serial number indicated on the vessel

How to order

Volume (Liters)	AT-no (max 10 bar)	AT-no (max 16 bar)
100	8303F100	8303F16-100
150	8303F150	8303F16-150
200	8303F200	8303F16-200
300	8303F300	8303F16-300
400	8303F400	8303F16-400
600	8303F600	8303F16-600
800	8303F800	8303F16-800
1000	8303F1000	8303F16-1000