



Product information

Cooling vessel for installation before expansion vessel at high temperatures.

|                      |            |
|----------------------|------------|
| Dimension range (DN) | 100 - 1000 |
| PN                   | 10 - 16    |
| Temperature (°C)     | 0 - 160    |
| Main material        | Steel      |



## Area of use

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.

## Tender text

### **PLD.5 Cooling vessels**

Cooling vessel AT 8303F.. with volume... litre for installation before AT expansion vessel at high temperatures in pressurized systems.

## Quality assurance

AFS 2023:5

### **The product is CE marked**

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

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

## Energy and environment declaration

**Product Bvb:** Accepted

**Product BVB ID:** 148180

| Pos | Component | Material |
|-----|-----------|----------|
|-----|-----------|----------|

Measurements and weight

**Dimension range (DN):** 100 - 1000

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 data

- Main material:** Steel
- Main material code:** Steel S235JR (Rst 37.2) (1.0038), Steel P265GH (1.0425)
- Included materials:** Steel
- Included material code:** Steel S235JR (Rst 37.2) (1.0038), Steel P265GH (1.0425)
- Temperature (°C):** 0 - 160
- PN:** 10 - 16
- BK04 code:** 20213 Tanks, traps and separators
- Product colour:** RAL 6019 - Pastel green

Installation and maintenance

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

Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

[info@armatec.se](mailto:info@armatec.se) | +46 31 89 01 00 | [www.armatec.se](http://www.armatec.se)

THE COMPANY'S MANAGEMENT SYSTEM  
IS CERTIFIED BY DNV  
ISO 9001 • ISO 14001