

Data sheet

Automatic expansion unit AVE (PN10)

Description



AVE automatic expansion unit is used to compensate thermal expansion of the water inside small substations (secondary - tap water side).

Main data:

- PN 10
- Nominal set pressure 6 bar
- Max. expansion volume 15.5 cm³ at 10 bar
- Temperature: 5-95 °C, pH 7-10
- Connection: G 3/4" A mounting on T piece connection.

Note:

Absolute pressure in the installation at minimum 5 °C must be below 5.3 bar.

Ordering

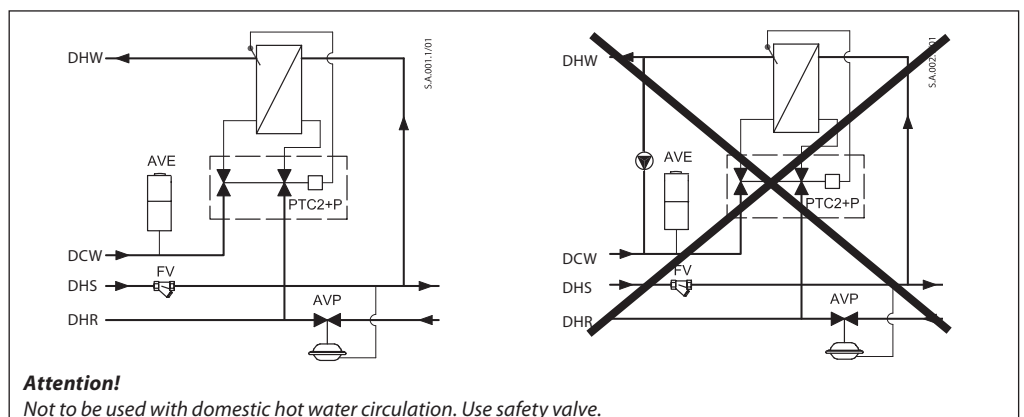
Type	Connection	Code No.
AVE	int. thread D35 G 3/4"	003L3701*

*Industry pack (15 pcs)

Technical data

Pressure stage	PN	10
Nominal set pressure	bar	6
Medium	Tap water according to DIN 1988	
Medium pH	Min. 7, max. 10	
Medium temperature	°C	5-95
Connections	G 3/4" A mounting on T-piece connection	
Materials		
Housing	DZR Brass	
O-rings	EPDM	
Spring	Spring steel	

Application example



Data sheet

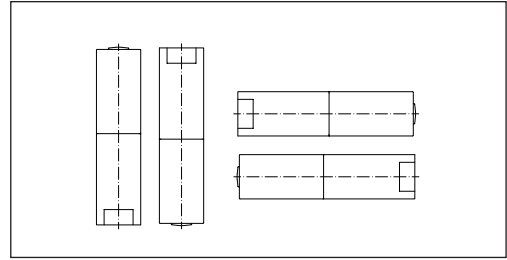
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Installation positions

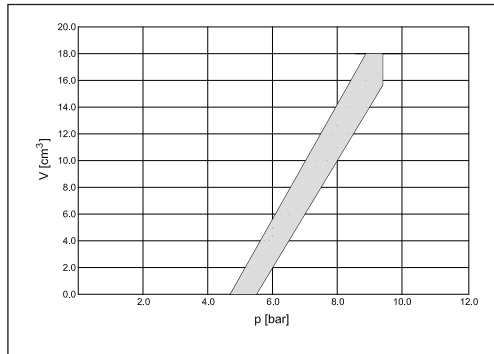
Automatic expansion unit can be installed in any position.

ATTENTION!

Maximum installation pressure at minimum installation temperature 5 °C is 5.3 bar.



Pressure - volume diagram

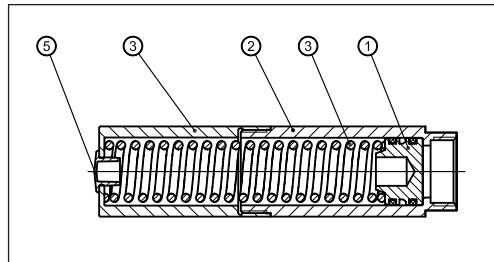


Disposal

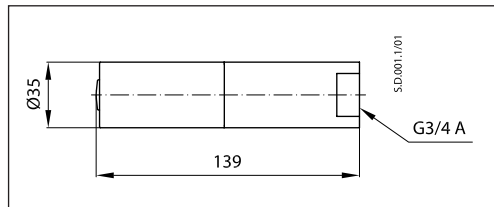
Automatic expansion unit must be dismantled and the elements sorted into various material groups before disposal.

Design

- 1. Piston
- 2. Housing
- 3. Cover
- 4. Spring
- 5. Protective plug



Dimensions



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