



**HATENBOERWATER**

*Fresh in water since 1906.*

## Potable water expansion vessel AUF

### In hot water and pressure-boosting systems

### Approvals, maintenance and mounting

A stable water supply and economical, gentle handling of precious drinking water resources is the core benefit of potable water expansion vessels. All aspects of specific hygienic requirements are met. The expansion vessels are fitted with a gass-filled bag made of butyl rubber.

#### Potable water expansion vessels in hot water systems

Potable water expansion vessels save valuable drinking water in potable hot water systems. The expansion water is no longer lost through a safety valve but is absorbed by the expansion vessel.

#### Potable water expansion vessels in pressure-boosting systems

The expansion vessel in pressure-boosting systems stabilise the drinking water network and reduce the switching frequency. They can be installed at the low pressure and high pressure sides of a pressure boosting system. The mains pressure side is always to be coordinated with the water supply company.

#### Approvals

As there are no uniform standards, please observe the drinking water approvals for the individual countries with respect to the selection. These are decisive for the deployment of flowfresh fully flow-through or no flow-through expansion vessel.

- drinking water inspection according to the rules of SVGW, ACS, PZH
- CE design-tested according to PED/DEP 97/23/EC

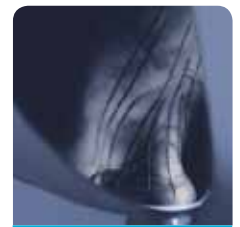
#### Maintenance

The expansion vessels are virtually maintenance-free. In general, it is sufficient to observe the flow pressure conditions before the expansion vessel and to check the pre-pressure at least every 5 years. It must always be smaller than the flow pressure. Otherwise, increased bag wear will occur.

The A(U)F expansion vessels are equipped with a Hydrowatch HW that signals bag damage.



physical appearance



gass-filled butyl rubber bag



Hydrowatch HW



mounting eyelets



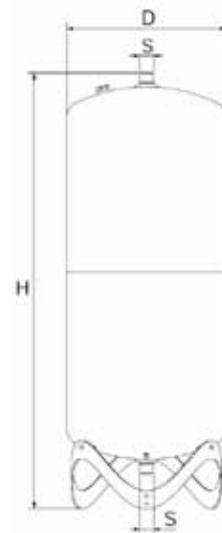
# Potable water expansion vessel AUF

## Characteristics

## Technical specifications

### Characteristics

- slim cylindrical model
- steel, welded
- color beryllium
- foot ring for upright assembly and easy transport
- flowfresh full flow-through
- airproof butyl bag according to EN 13831 and Pneumatex internal standards
- all metallic parts in contact with water in stainless steel
- hydrowatch for tightness control of the bag and endoscopic inspection opening for internal inspections
- easy mounting thanks to their convenient eyelets



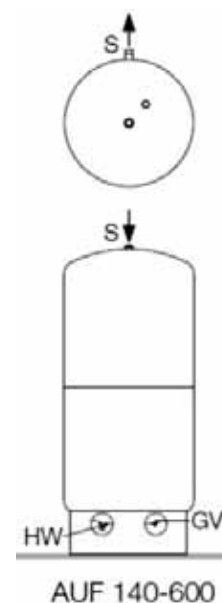
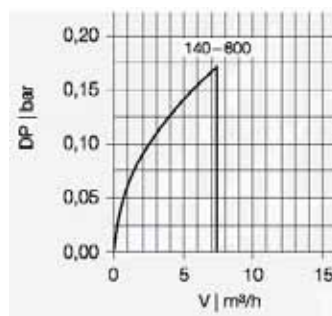
### Technical specifications \*)

type	volume	flow	P max	diameter D	height H	thread S	mass	article no.
	liters	m <sup>3</sup> /h	bar	mm	mm		kg	
AUF 140.10	140	7,3	10	420	1360	2x R1 1/4	35	711 2007
AUF 200.10	200	7,3	10	500	1364	2x R1 1/4	41	711 2008
AUF 300.10	300	7,3	10	560	1495	2x R1 1/4	63	711 2009
AUF 400.10	400	7,3	10	620	1558	2x R1 1/4	72	711 2010
AUF 500.10	500	7,3	10	680	1652	2x R1 1/4	96	711 2011
AUF 600.10	600	7,3	10	740	1661	2x R1 1/4	105	711 2012

### Operational parameters

- Maximum temperature 120<sup>o</sup> C
- Minimum temperature -10<sup>o</sup> C
- Maximum bag temperature 70<sup>o</sup> C
- Minimum bag temperature 5<sup>o</sup> C

### Pressure loss diagramme



**HATENBOERWATER**

Fresh in water since 1906.