

EXPANSION VESSELS FOR HEATING SYSTEMS



AQUAFILL HS Expansion Vessels

HS Expansion Vessels are intended for operation in heating systems or sealed cooling systems, permitting to absorb volume fluctuations caused by a change in heating fluid temperature.

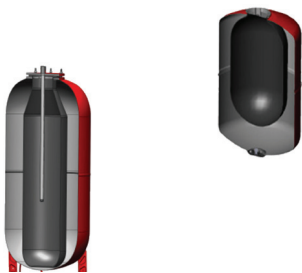
The vessels are manufactured of high-quality steel with anti-corrosion surface treatment. There is a non-permeable, highly elastic bladder inside the vessel, resistant to high temperatures. In 50-l vessels and bigger, the bladder is replaceable.

Technical Data

VESSEL MATERIAL	steel
BLADDER MATERIAL	EPDM
FLANGE MATERIAL	steel with surface treatment
PRE-CHARGE PRESSURE	1.5 bar
WORKING TEMPERATURE	-10 to 99 °C

The right size of an expansion vessel shall be calculated by a heating engineer. For the calculation, the water volume of the entire heating system shall be known (boiler, piping, radiators etc.), its max. working temperature and pressure, elevation of the highest point in the heating system above the expansion vessel and min. required pressure in the boiler room.

Dimensions and Models



WALL HUNG MODELS

		HS005	HS008	HS012	HS018	HS025	HS040
VOLUME	l	5	8	12	18	25	40
DIAMETER	mm	160	200	270	270	290	320
HEIGHT	mm	325	330	310	425	468	580
CONNECTION	--	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M
MAX. WORKING PRESSURE	bar	6	6	6	6	6	6
CODE	--	13731	13732	13734	13735	13736	13737

FLOOR STANDING MODELS WITH REPLACEABLE BLADDER *

		HS 035	HS 050	HS 060	HS 080	HS 100	HS 150	HS 200	HS 250	HS 300	HS 400	HS 500	HS 600	HS 700
VOLUME	l	35	50	60	80	100	150	200	250	300	400	500	600	700
DIAMETER	mm	320	380	380	450	450	554	554	624	630	624	775	775	775
HEIGHT	mm	525	620	670	662	730	807	988	1006	1160	1520	1250	1525	1635
CONNECTION	--	3/4" M	3/4" M	1" M	1" M	1" M	6/4" M	6/4" M	6/4" M	6/4" M	6/4" M	6/4" M	6/4" M	6/4" M
MAX. WORKING PRESSURE	bar	5	6	6	6	6	6	6	6	6	6	6	6	6
CODE	--	13738	13739	13740	13741	13742	13743	13744	13745	13746	13747	13748	13749	13750

* HS035 expansion vessel features no replaceable bladder.

Accessories



Wall mount bracket and connection valve G 3/4" F/M
Code 7766



Connection valve
3/4" code 8770
1" code 12295
6/4" code 14492



Wall mount bracket incl. screws and dowels
Code 12174

Replaceable bladder



VOLUME	CODE
50l	13785
60 and 80l	13769
100l	13770
150 and 200l	13771
250 and 300l	13772
400l	13773
500 and 700l	13774

