



for heating systems, solar thermal systems and systems with DHW heating

### Service Valves for expansion vessels

For an easy expansion vessel pressure check.  
No need to drain a system for maintenance.

#### Main advantages:

- » Easy installation
- » Safety shutoff ball valve
- » Integrated drain valve

#### Codes:

- 8770 - G 3/4" connection fittings
- 12295 - G 1" connection fittings
- 14492 - G 6/4" connection fittings



### Wall Mount Expansion Vessel Brackets

#### Multipurpose mounting arm. Code 10046.

It is fitted with the following threaded connections: G 3/4" F to connect an expansion vessel, G 3/4" M to connect to a heating system, G 3/8" F for an automatic air vent valve, G 1/2" M for a safety valve and G 1/4" F for a pressure gauge.



#### Expansion vessel bracket and connection kit. Code 7766.

Connection fittings (G 3/4" MF) with a double check valve, permitting quick and safe expansion vessel disconnection without leaks.



#### Wall mount bracket. Code 12174.



### Replaceable Bladders

For bigger expansion vessels, the inner elastic bladder can be replaced.

Codes of replaceable bladders by model and volume.

	HS	SL	HW
50	13 785	13 775	-
60	13 769	-	13 788
80	13 770	13 776	13 789
150	13 771	13 777	-
200	13 772	12 763	13 791
250	13 773	-	-
300	13 774	13 786	13 792
400	13 775	-	-
500	13 776	13 787	-
600	13 777	-	-
700	13 778	-	-



Pressure expansion vessels are designed to compensate for fluid volume changes caused by temperature changes, and to keep the system pressure within the necessary limits. They are used in heating systems, solar thermal systems and drinking water circuits when hot water heaters are installed in the system.

# Aquafill Expansion Vessels



High-quality steel vessels are coated with anticorrosion surface layer, with a non-permeable highly elastic bladder, resistant to high temperatures. The bladder can be replaced in vessels of 50l volume and bigger.

All the expansion vessels are 100% tested and certified to the PED Directive (97/23 EC).

HS Expansion vessels are designed to be installed in heating systems or in sealed cooling circuits, permitting to absorb heating fluid volume fluctuations caused by its temperature changes.

SL Expansion vessels are designed to be installed in solar thermal systems.

HW Expansion vessels are designed to be installed in systems with DHW heating. Besides the volume fluctuations they also absorb water hammers, extending the service life and increasing the reliability of both hot water tanks and the entire system.

## EXPANSION VESSELS FOR HEATING SYSTEMS – AQUAFILL HS

99 °C

### Wall hung models



		Volume	Connection	Max. working pressure
13 731	Expansion Vessel HS005	5	3/4"	6
13 732	Expansion Vessel HS008	8	3/4"	6
13 734	Expansion Vessel HS012	12	3/4"	6
13 735	Expansion Vessel HS018	18	3/4"	6
13 736	Expansion Vessel HS025	25	3/4"	6
13 737	Expansion Vessel HS040	40	3/4"	6

Precharge pressure: 1.5 bar

### Leg models, with replaceable bladder\*



		Volume	Connection	Max. working pressure
13 738	Expansion Vessel HS035	35	3/4"	5
13 739	Expansion Vessel HS050	50	3/4"	6
13 740	Expansion Vessel HS060	60	1"	6
13 741	Expansion Vessel HS080	80	1"	6
13 742	Expansion Vessel HS100	100	1"	6
13 743	Expansion Vessel HS150	150	6/4"	6
13 744	Expansion Vessel HS200	200	6/4"	6
13 745	Expansion Vessel HS250	250	6/4"	6
13 746	Expansion Vessel HS300	300	6/4"	6
13 747	Expansion Vessel HS400	400	6/4"	6
13 748	Expansion Vessel HS500	500	6/4"	6
13 749	Expansion Vessel HS600	600	6/4"	6
13 750	Expansion Vessel HS700	700	6/4"	6

Precharge pressure: 1.5 bar

\* HS035 expansion vessel features no replaceable bladder.

## EXPANSION VESSELS FOR SOLAR THERMAL SYSTEMS – AQUAFILL SL

130 °C

### Wall hung models



		Volume	Connection	Max. working pressure
13 720	Expansion Vessel SL012	12	3/4"	8
13 721	Expansion Vessel SL018	18	3/4"	8
13 722	Expansion Vessel SL025	25	3/4"	8
13 723	Expansion Vessel SL040	40	3/4"	8

Precharge pressure: 2.5 bar

### Leg models, with replaceable bladder



		Volume	Connection	Max. working pressure
13 724	Expansion Vessel SL050	50	3/4"	10
13 725	Expansion Vessel SL080	80	3/4"	10
13 726	Expansion Vessel SL0100	100	1"	10
13 727	Expansion Vessel SL0150	150	6/4"	10
13 728	Expansion Vessel SL0200	200	6/4"	10
13 729	Expansion Vessel SL0300	300	6/4"	10
13 730	Expansion Vessel SL0500	500	6/4"	8

Precharge pressure: 2.5 bar

## EXPANSION VESSELS FOR DRINKING WATER – AQUAFILL HW

99 °C

### Wall hung models



		Volume	Connection	Max. working pressure
13 752	Expansion Vessel HW016	0.16	1/2"	15
13 753	Expansion Vessel HW002	2	1/2"	10
13 754	Expansion Vessel HW005	5	3/4"	8
13 755	Expansion Vessel HW008	8	3/4"	8
13 756	Expansion Vessel HW012	12	3/4"	8
13 757	Expansion Vessel HW018	18	3/4"	8
13 758	Expansion Vessel HW025	25	3/4"	8
13 759	Expansion Vessel HW040	40	3/4"	8

Precharge pressure: 3.5 bar

### Leg models, with replaceable bladder



		Volume	Connection	Max. working pressure
13 760	Expansion Vessel HW060	60	1"	10
13 761	Expansion Vessel HW080	80	1"	10
13 762	Expansion Vessel HW0100	100	1"	10
13 763	Expansion Vessel HW0200	200	6/4"	10
13 764	Expansion Vessel HW0300	300	6/4"	10
13 765	Expansion Vessel HW0400	400	6/4"	10

Precharge pressure: 2 bar