

# EXPANSION VESSELS FOR SOLAR THERMAL SYSTEMS



## AQUAFILL SL Expansion Vessels

SL Expansion Vessels are intended for solar thermal systems. 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	butyl
FLANGE MATERIAL	stainless steel
PRE-CHARGE PRESSURE	2.5 bar
WORKING TEMPERATURE	-10 to 130 °C

The right size of an expansion vessel shall be calculated by a heating engineer. An expansion vessel shall be sized for a temperature difference between the min. temperature in the winter and max. temperature in the summer, being able to accommodate the volume of solar fluid from all the collectors in case of stagnation (the max. temperature when the flow is stopped under strong sunshine).

### Dimensions and Models



WALL HUNG MODELS		SL012	SL018	SL025	SL040
VOLUME	l	12	18	25	40
DIAMETER	mm	270	270	290	320
HEIGHT	mm	310	425	468	570
CONNECTION	--	3/4" M	3/4" M	3/4" M	3/4" M
MAX. WORKING PRESSURE	bar	8	8	8	8
CODE	--	13720	13721	13722	13723



FLOOR STANDING MODELS WITH REPLACEABLE BLADDER		SL050	SL080	SL100	SL150	SL200	SL300	SL500
VOLUME	l	50	80	100	150	200	300	500
DIAMETER	mm	320	450	750	554	554	624	780
HEIGHT	mm	620	662	732	807	988	1160	1250
CONNECTION	--	3/4" M	3/4" M	1" M	6/4" M	6/4" M	6/4" M	6/4" M
MAX. WORKING PRESSURE	bar	10	10	10	10	10	10	8
CODE	--	13724	13725	13726	13727	13728	13729	13730

### 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	13775
80 and 100l	13776
150l	13777
200l	12763
300l	13786
500l	13787

