






DIMENSIONS

MODEL	CODE		Ppre	Pmax				DN1		NOTES
		LITRES	bar	bar	max	mm	mm	mm		
AC-2 *	A012J07	2	2,5	8	+99°C	130	225	3/4"	150 x 150 x 240	
ER 5 *	A102L11	5	1,5	8	+99°C	205	215	3/4"	210 x 210 x 250	
ER 8 CE	A102L16	8	1,5	8	+99°C	205	280	3/4"	210 x 210 x 320	
ER 12 CE	A102L20	12	1,5	8	+99°C	270	300	3/4"	280 x 280 x 310	
ER 18 CE	A102L24	18	1,5	8	+99°C	270	410	3/4"	280 x 280 x 450	
ER 24 CE	A102L27	24	1,5	8	+99°C	320	330	3/4"	330 x 330 x 375	

* Exempt from CE marking

CHOICE OF THE EXPANSION TANK

The table simplifies the choice of the ELBI expansion tank to be installed in hot water systems. The selection of the tank can be effectuated starting from the system's total capacity or from the plant's power, taking into consideration an average content of 12 litres per 1000 Kcal/h of power and a plant's maximum working pressure of 3 bars

MODEL	PRE-CHARGE PRESSURE [BAR]	PLANT HEIGHT [m]	TANK ACCEPTABLE VOLUME [litri]	TANK ABSORPTION CAPACITY [%]	$\Delta T = (90 - 14)^\circ\text{C}$ Δ expansion coefficient 0,035		
					TOTAL WATER CONTENT IN THE PLANT [litres]	HEAT GENERATOR POWER	
						kcal/h	kW
AC-2	0,5	5	1,3	62,5	36	3.000	3,49
	1	10	1	50	29	2.400	2,79
ER 5	0,5	5	3,1	62	89	7.400	8,6
	1	10	2,5	50	71	5.900	6,86
ER 8 CE	0,5	5	5	62	143	11.900	13,84
	1	10	4	50	114	9.500	11,4
ER 12 CE	0,5	5	7,5	63	214	17.800	20,7
	1	10	6	50	171	14.250	16,57
ER 18 CE	0,5	5	11,3	63	323	26.900	31,3
	1	10	9	50	257	24.100	28,2
	1,5	15	6,7	37	191	15.900	18,5
ER 24 CE	0,5	5	15,5	65	443	36.900	43
	1	10	12	50	343	28.600	33,26
	1,5	15	9,3	39	266	22.200	25,82