

SELECTION FLEXCON EXPANSION VESSELS ACCORDING TO EN12828

Specified values have been calculated for a flow temperature of 80 °C.

Opening pressure of the safety valve: 3 bar.

Closed water-based heating systems according to EN 12828.

Water reserve: 0.5% of the installation volume with a minimum of 3 liters*.

* Flamco recommends to use a 6-liter minimum.

Selection Table

Expansion vessel		Static height [mWS]	Heating capacity installed		
Volume [l]	Precharge [bar]		Radiators (8,8 dm³/kW) [kW]	Air Treatment (6,9 dm³/kW) [kW]	Low Temperature Heating (<50 °C) (15 dm³/kW) [kW]
8	0.5	3	6	8	8
12	0.5	3	15	19	21
18	0.5	3	29	37	40
25	0.5	3	45	58	56
35	0.5	3	68	87	78
50	0.5	3	97	124	112
80	0.5	3	156	199	180
110	0.5	3	215	274	247
140	0.5	3	273	349	315
200	0.5	3	391	498	450
300	0.5	3	586	748	676
425	0.5	3	831	1060	958
600	0.5	3	1173	1496	1352
800	0.5	3	1564	1995	1803
1000	0.5	3	1955	2494	2254
12	1	8	8	11	12
18	1	8	18	24	26
25	1	8	31	39	42
35	1	8	48	61	59
50	1	8	73	93	84
80	1	8	117	149	135
110	1	8	161	205	185
140	1	8	205	261	236
200	1	8	293	374	338
300	1	8	440	561	507
425	1	8	623	795	718
600	1	8	880	1122	1014
800	1	8	1173	1496	1352
1000	1	8	1466	1870	1690
18	1.5	13	8	11	12
25	1.5	13	16	21	23
35	1.5	13	28	35	39
50	1.5	13	45	58	56
80	1.5	13	78	99	90
110	1.5	13	107	137	123
140	1.5	13	136	174	157
200	1.5	13	195	249	225
300	1.5	13	293	374	338
425	1.5	13	415	530	479
600	1.5	13	586	748	676
800	1.5	13	782	997	901
1000	1.5	13	977	1247	1127