

Sealed System Paks and Intermediate Vessels

BOSS Sealed System Paks

A convenient package ensuring all the correct fittings are supplied with a BOSS expansion vessel. This results in a compact and neat assembly for a domestic sealed system. Sealed System Paks are sized in the same way as standard expansion vessels.

BOSS Sealed System paks consist of a BOSS expansion vessel, filling loop, safety relief valve complete with gauge, vessel mounting bracket (up to 25ltr) and connecting t-piece.



Type	Capacity (litres)	Gas Charge (Bar)	Dimensions		Syst. Conn. (mm)	Dry Weight (Kg)	Order Code
			Ø (mm)	Height (mm)			
BOSS SEALED SYSTEM PAK 4	4	0.5	194	365	15	2.8	19712106
BOSS SEALED SYSTEM PAK 8	8	0.5	245	388	15	4.4	19712117
BOSS SEALED SYSTEM PAK 12	12	0.5	286	421	15	5.5	19712128
BOSS SEALED SYSTEM PAK 18	18	0.5	328	414	15	6.9	19712139
BOSS SEALED SYSTEM PAK 24	25	0.5	358	467	15	8.5	19712150
BOSS SEALED SYSTEM PAK 35	35	0.5	396	524	15	12.3	19712161
BOSS SEALED SYSTEM PAK 50	50	0.5	437	581	15	15.6	19712172

BOSS Intermediate Vessels – 160°C 6.0 bar (g)

Max working pressure: 6.0 bar(g)

Max supply temperature (tank): 160°C



Type	Capacity (litres)	Dimensions		Connections		Dry Weight (Kg)	Order Code
		Ø(mm)	Height (mm)	Vessel (F)	System (M)		
Intermediate Vessel Type 50	50	484	600	1 ½"	1 ½"	26	19713997
Intermediate Vessel Type 100	100	484	750	1 ½"	1 ½"	31	19714003
Intermediate Vessel Type 200	200	484	1304	1 ½"	1 ½"	51	19722134
Intermediate Vessel Type 350	350	484	2124	1 ½"	1 ½"	80	19714025
Intermediate Vessel Type 500	500	600	2025	2"	2"	96	19714036
Intermediate Vessel Type 750	750	790	1863	2"	2"	142	19714047
Intermediate Vessel Type 1000	1000	790	2238	2"	2"	172	19714058

BOSS Intermediate Vessel Sizing Table

BOSS Intermediate Vessels – 160°C 10.0 bar(g) available on request

The sizing of intermediate vessels is dependent on the calculated expanded volume and the respective flow temperature of the system. Where possible intermediate vessels and the associated expansion equipment should be connected to the return line to the boiler (coldest part of the system).

Temperature Range	Expanded Volume Multiplication Factor
90°C-110°C	15%
111°C-125°C	25%
126°C-140°C	40%
141°C-150°C	60%