



## VSV & V-B

### intermediate vessels

Expansion vessels and expansion automats must be installed in the return pipe of the heating system. The membrane can withstand a maximum temperature of 70 °C. If the return temperature is higher, an intermediate vessel must be installed.

The extent to which the expansion water is cooled depends on the volume of the intermediate vessel. The vessel must be set up in a way that guarantees problem-free working and maintenance. An intermediate vessel must not be insulated and a clearance of 400 mm must be provided around an intermediate vessel.



- Supply temperature **90 - 110 ° Celsius**:  
→ capacity intermediate vessel at least **15 %** of the net expansion volume.
- Supply temperature **111 - 125 ° Celsius**:  
→ capacity intermediate vessel at least **25 %** of the net expansion volume.
- Supply temperature **126 - 140 ° Celsius**:  
→ capacity intermediate vessel at least **40 %** of the net expansion volume.



	capacity [l]	dimensions		weight		connection	
		Ø [mm]	H [mm]	6 bar [kg]	10 bar [kg]	vessel	system
<b>VSV 100</b>	100	484	794	27	31	Rp 1 1/2"	Rp 1 1/2"
<b>VSV 200</b>	200	484	1304	29	51	Rp 1 1/2"	Rp 1 1/2"
<b>VSV 350</b>	350	484	2124	55	80	Rp 1 1/2"	Rp 1 1/2"
<b>VSV 500</b>	500	600	2025	64	96	Rp 2"	Rp 2"
<b>VSV 750</b>	750	790	1904	96	142	Rp 2"	Rp 2"
<b>VSV 1000</b>	1000	790	2255	114	172	Rp 2"	Rp 2"
<b>V-B 50</b>	50	450	640	-	62	R 1 1/4" F	R 1 1/4"
<b>V-B 180</b>	180	550	1235	-	133	R 1 1/4" F	R 1 1/4"
<b>V-B 300</b>	300	550	1735	-	182	R 1 1/4" F	R 1 1/4"
<b>V-B 400</b>	400	750	1470	-	255	R 1 1/4" F	R 1 1/4"
<b>V-B 600</b>	600	750	1860	-	293	R 1 1/4" F	R 1 1/4"
<b>V-B 800</b>	800	75	2250	-	344	R 1 1/4" F	R 1 1/4"
<b>V-B 1000</b>	1000	750	2750	-	409	R 1 1/2" F	R 1 1/2"
<b>V-B 1200</b>	1200	1000	2200	-	520	R 1 1/2" F	R 1 1/2"
<b>V-B 1600</b>	1600	1000	2700	-	605	R 1 1/2" F	R 1 1/2"
<b>V-B 2000</b>	2000	1200	2435	-	675	R 2" F	R 2"