



## solar systems

# additional vessel VSG

Applications: additional vessel for temperature reducing.



According to our experience and the reviewing of different international regulations on solar energy an additional tank is recommended when the fluid volume between the collector and the expansion vessel is approx 50% or less than the 'wet' side volume (between the expanded diaphragm and the vessel inlet). This approach is covered by the European Directive VDI 6002.

This requisite is rarely carried out for heating systems placed on the roofs due to the fact that the piping is short. The additional tank can protect the membrane from excessive temperatures. The correctly sized additional tank allows the decrease in the temperature of the solar liquid in the expansion system.

### ■ technical and dimensional data

Model	Code	Capacity	Ø Diameter	H Height	E	Connection
		litres	mm	mm		
VSG 5	11A0000512	5	160	270	-	N°2 x 3/4"G
VSG 8	11A0000837	8	200	280	-	N°2 x 3/4"G
VSG 12	11A0001216	12	270	264	-	N°2 x 3/4"G
VSG 18	11A0001836	18	270	349	-	N°2 x 3/4"G
VSG 35	11A0003510	35	380	367	125	N°2 x 3/4"G
VSG 50	11A0005022	50	380	505	146	N°2 x 3/4"G
VSG 105	11A0010518	105	500	665	165	N°2 x 1"G

### ■ material description

Description	Material
shell	carbon steel
connections	carbon steel
colour	white

### ■ operating conditions

max. operating pressure	10 bar
operating temperature	-10 ÷ 110 °C

### ■ technical drawings

