Solar safety discharge bottle

PRODUCT INFORMATION:

CAUTION: Risk of scalding!

Solar fluid can reach very high temperatures.

- Do not seal the discharge pipe in the solar discharge entry point.
- Care must be taken when handling solar fluid.

NOTICE: Before you start

- Please refer to the bottle system sizing chart on the reverse.
- Please draw attention of the consumer to the product warning label and ensure that this label stays on the product at all times.

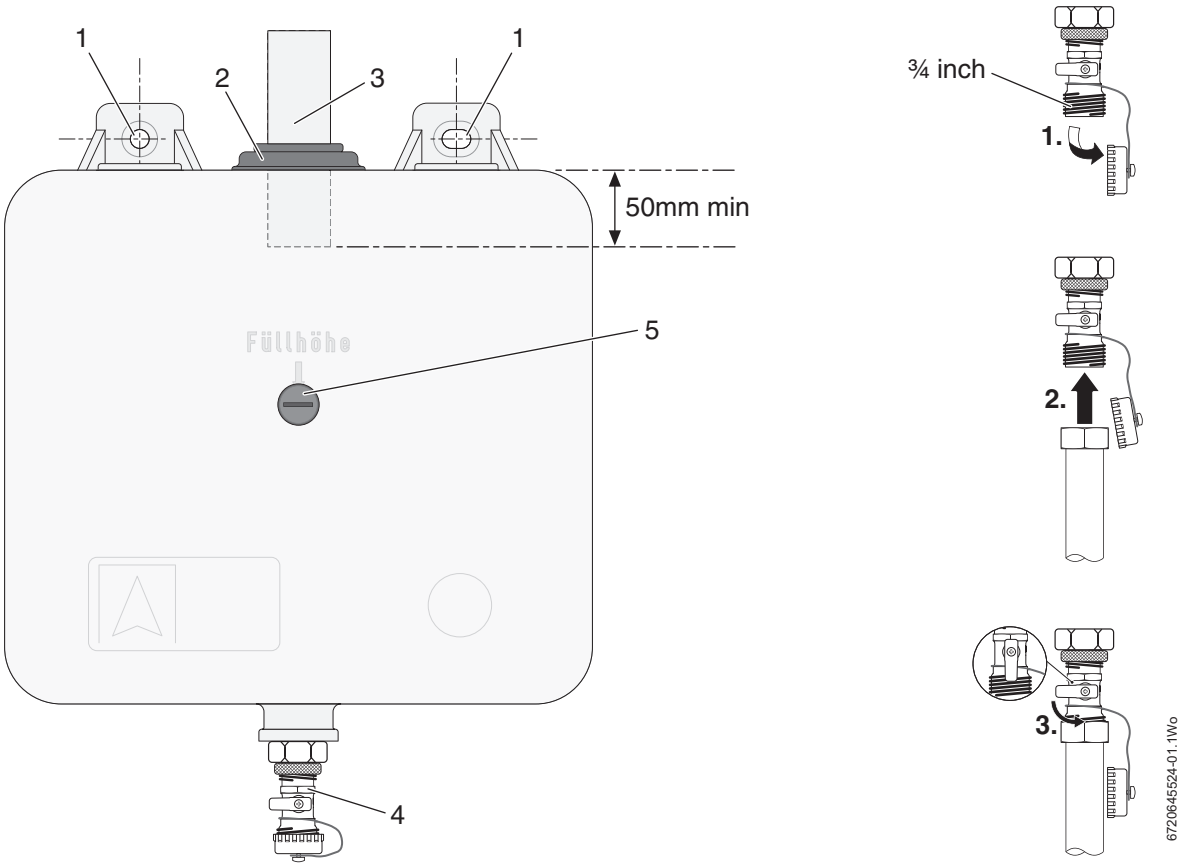

Fig. 1 Solar safety discharge bottle.

Legend			
1	Fixing points	4	Drain valve
2	Solar discharge entry point	5	Midpoint cover
3	Solar fluid discharge pipe		

Tab. 1

1. Remove ¾ inch blanking cap as shown.
2. Connect ¾ inch female connector with pipe to dispose of solar fluid.
3. Open drain valve isolator.

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Solar safety discharge bottle

CAUTION: Environmental contamination.

- Only dispose of drained fluid safely in accordance with local regulations.
- Do not re-use any solar fluid that has been drained.
- Do not unscrew the midpoint cover (5) under any circumstances.
- Only suitable for use with Propylene Glycol.

BOTTLE SIZING CHART

The discharge bottle must be able to contain the total volume of Glycol liquid within the solar system above the pressure relief valve.

The Solar safety discharge bottle can hold 9.6 litres of Glycol liquid.

To assist in the determination of your Solar system volume, see the data below.

HOW TO USE THE TABLE

The table below shows the number of panels plus the maximum length of pipe work that contain approximately 9.6 litres of fluid. As the volume of the panels increase, the amount of pipe work available decreases.

To assist in the calculation of the Solar system volume, see the data below.

Select the quantity of panels you are installing from the left hand side of the table and then choose the diameter of pipe from the column representing the model of collector you are installing. The figure in the box that corresponds to the number of panels is the maximum recommended length for the total pipework in the system (the total flow and return) if used in conjunction with the bottle.
If falling outside of these parameters, please use an alternative receptacle or run the PRV pipe to a suitable discharge point.

Recommended Total Pipe lengths in metres (Flow and Return)												
No. of panels	FKC Portrait	15mm pipe	22mm pipe	FKC Landscape	15mm pipe	22mm pipe	FKT Portrait	15mm pipe	22mm pipe	FKT Landscape	15mm pipe	22mm pipe
1		56.8	25.7		54.1	24.5		52.9	23.9		50.6	22.9
2		50.8	23		45.6	20.6		43	19.5		38.5	17.4
3		44.9	20.3		36.9	16.7		33.2	15		26.3	11.9
4		39	17.7		28.3	12.8		23.3	10.5		14.2	6.4
5		33	15		19.6	8.9		13.4	6.1			
6		27.2	12.3		11	5						
7		21.2	9.6									
8		15.3	6.9									

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EXAMPLES:

Here are some examples of typical panel quantities and the total pipe work length recommended for the system that contains 9.6 litres of liquid or less.

	Recommended metres of pipe work	
	15mm Pipe	22mm Pipe
2 Panel FKC Portrait	50.8	23
2 Panel FKT Portrait	43	19.5
2 Panel FKC Landscape	45.6	20.6
2 Panel FKT Landscape	38.5	17.4

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