

Safety Kit for Hot Water Storage Tanks



Main Features

Description

The safety kit is used to protect the hot water storage tank from exceeding the maximum working pressure, to check the function of the check valve and to drain the hot water storage tank. The kit contains all components for pressure protection of the HW storage tank:

- safety valve (for HW storage tanks up to 200 l DN 15, for HW storage tanks up to 1000 l DN 20)
- check valve
- checking valve to verify the function of the check valve
- drain valve
- pressure gauge
- cold water shut-off valve to the hot water storage tank

The safety valve protects the hot water storage tank from exceeding the maximum working pressure. The check valve prevents water from flowing back into the water supply line. The ball valve allows to check the function of the check valve or to close the water supply and subsequently drain the tank through the drain valve. The safety kit allows to connect an expansion vessel - the G 3/4" M inlet for the expansion vessel connection is located opposite the pressure gauge inlet and is fitted with a blind cap from the factory.

Installation

The safety kit installs on the cold water supply pipe upstream of the hot water storage tank; if necessary, the pressure gauge can be connected to the opposite inlet and a mirror variant of the kit made; no shut-off valve, non-return valve or filter may be installed between the HW storage tank and the safety kit; it is necessary to ensure free drainage of liquid from the safety and drain valves.

Working fluid

drinking water

Max. working temperature

80°C

Connections

G 3/4" F x G 3/4" M

Kit Codes

Code	Safety valve opening pressure	Safety valve thread	Safety valve seat cross section	Discharge coefficient	Kit total weight
17387	6 bar	G 1/2" F-M	132.73 mm ²	0.3	870 g
17696	6 bar	G 3/4" F-M	226.98 mm ²	0.3	1135 g

Limiting parameters of the hot water storage tank for the given safety kit *

Code	HW Storage Tank Max. Output	HW Storage Tank Max. Volume
17387	75 kW	200 l
17696	150 kW	1000 l

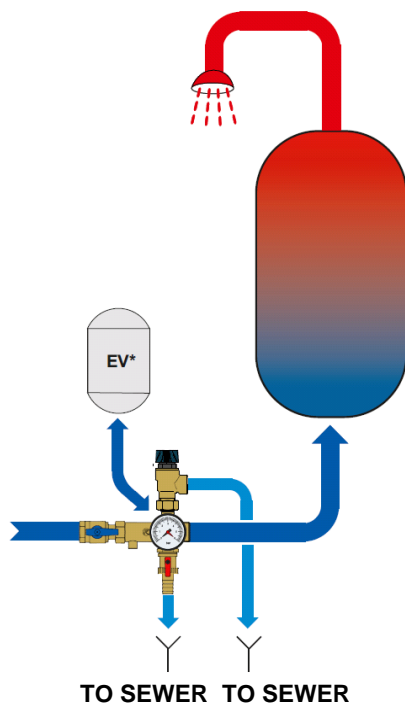
* Following the EN 1488 standard

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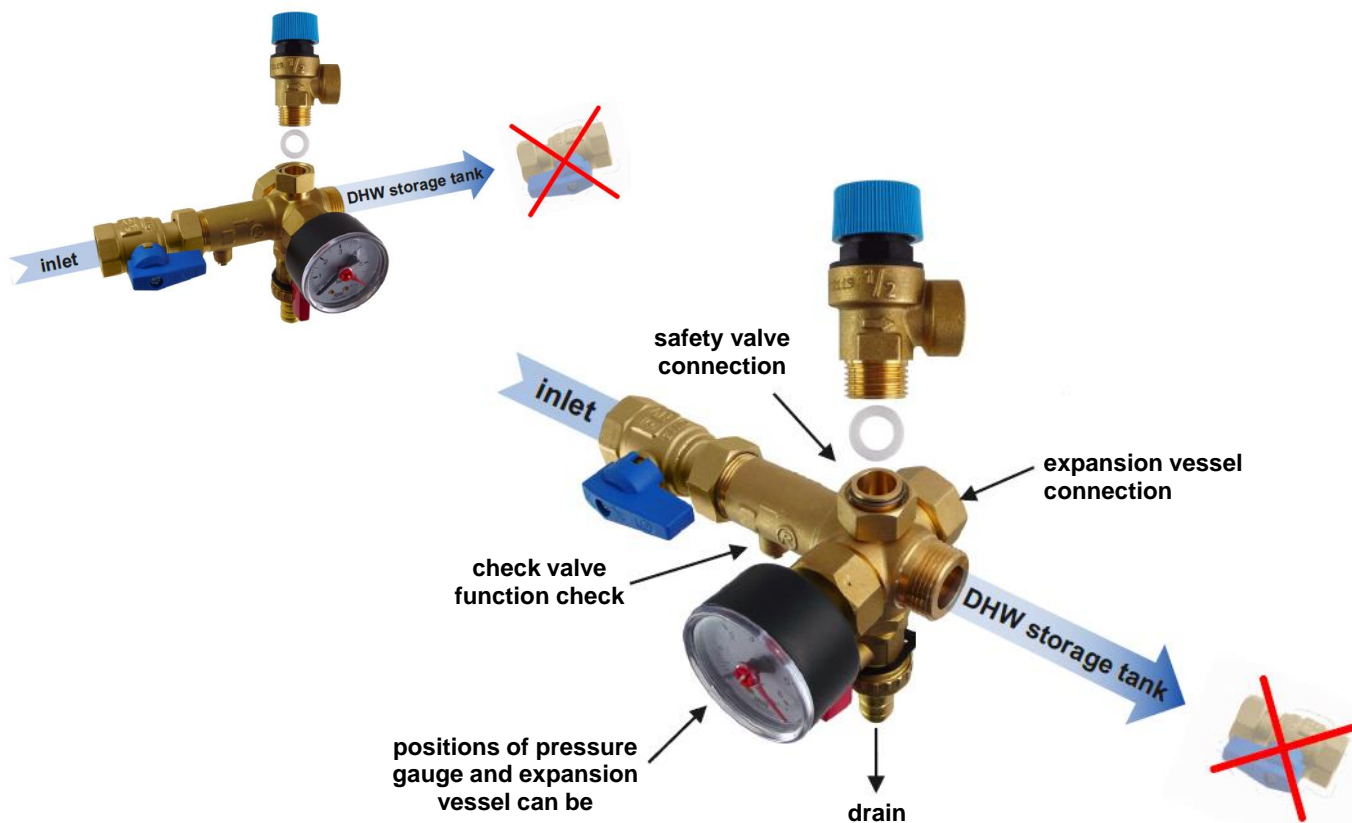
Materials

Safety kit and ball valve housing	brass CW617N
Check valve housing and cone	POM Hostaform
Check valve spring	AISI 302
Gasket	EPDM

Connection Diagram

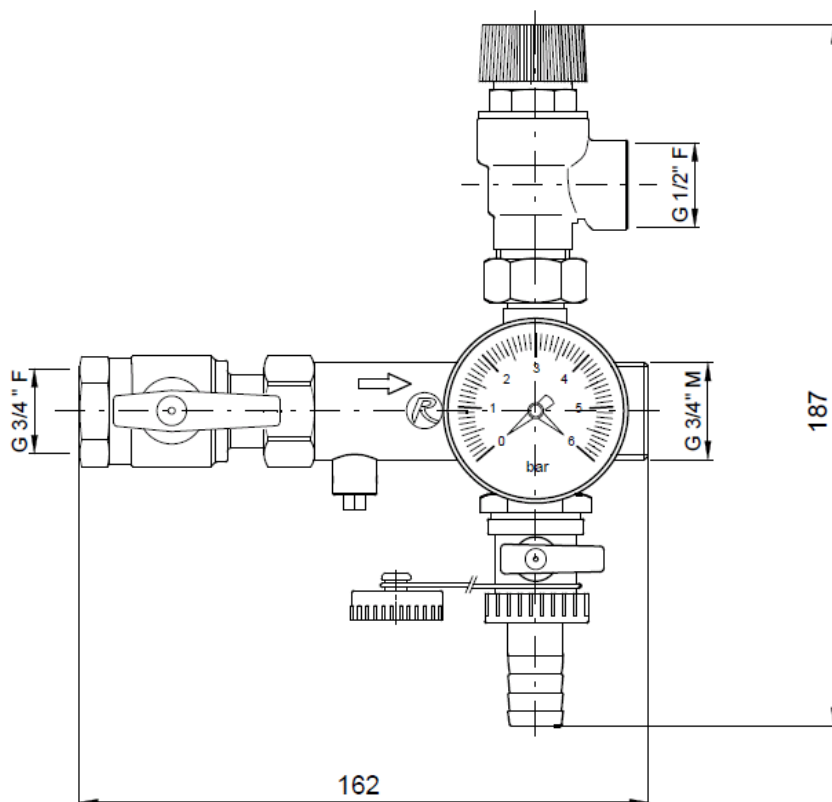


*EV = expansion vessel
The diagram is only a simplified graphical representation and does not claim to be complete.



Safety Kit for Hot Water Storage Tanks

Dimensions of the assembled kit for a hot water storage tank up to 200 l volume (code 17387)



Dimensions of the assembled kit for a hot water storage tank up to 1000 l volume (code 17696)

