Frese Safety Unit

Application

Frese safety units are installed in connection with domestic water heaters.

The domestic water may be heated using electricity, gas, oil, steam or superheated water.

The safety unit has an isolator and safety valve and a built-in check valve with an inspection screw and drain for emptying the tank.

It fulfils the requirements in DS/EN 1717 regarding check valve inspection.

Connection

The safety unit should be fitted to the cold water inlet, either vertically or at a right angle (by swapping the safety valve and adapter fitting).

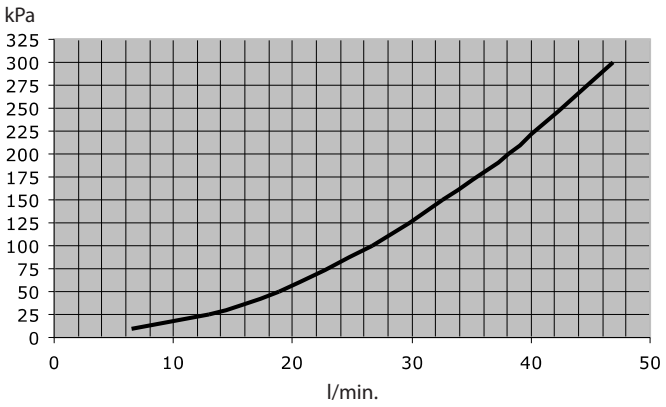
The safety valve has an O-ring seal and can be turned in any direction. The outlet should point downward in the direction which makes it easiest to fit the overflow pipe.

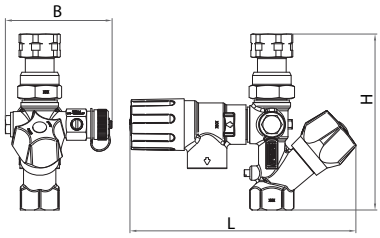
The drain may be placed on either side of the valve, with the supplied plug fitted on the opposite side. Both the drain and plug are fitted with O-ring seals for simple installation.

Technical Data

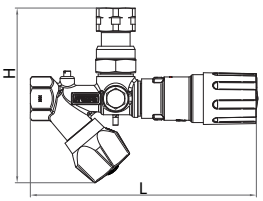
Materials:	
Housing, safety valve, drain, adapter fitting and plug:	Brass DZR
Isolator handle:	ABS
Safety valve handle:	POM
O-rings:	NBR and EPDM
Check valve cartridge:	POM
Pressure class:	PN10
Temperature:	Max. 65°C

Pressure Drop Diagramme





Vertical installation



Perpendicular installation

Safety Unit F/F 3/4"

Frese no.	Pressure [bar]	Vertical L/B/H [mm]	Perpendicular L/B/H [mm]
42-1846	6,0	174/83/137	175/83/136
42-1848	8,0	174/83/137	175/83/136
42-1849	10,0	174/83/137	175/83/136

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