

Hydraulic safety groups for hot water storage heaters



5261 series



01019/10 GB
replaces dp 01019/03 GB



Function

These hydraulic safety groups are used in domestic water systems to protect hot water storage heaters.

They combine different components with the following functions:

- safety, to prevent the pressure of the medium in the storage heaters from reaching dangerous levels
- anti-pollution, to prevent backflow of hot water into the cold water supply network
- a shut-off function to isolate the supply network for maintenance and inspection of the heater system.

The hydraulic safety groups, the installation of which is required by applicable regulations, are certified as conforming to European Standard EN 1487.



Product range

5261 Series	Hydraulic safety group for hot water storage heaters	size 1/2", 3/4"
Code 526153	Hydraulic safety group for hot water storage heaters for horizontal installation	size 3/4"
Code 319601	Discharge tundish for hydraulic safety groups	size 1" F x Ø 32/25 mm

Technical specifications

Materials

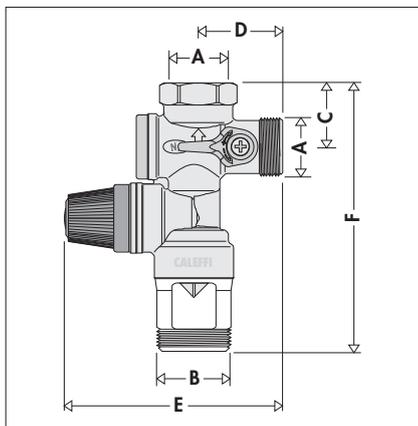
Body:	brass EN 12165 CW617N, chrome plated
Ball valve:	brass EN 12164 CW614N
Check valve:	brass EN 12164 CW614N
Safety relief valve obturator:	EPDM
Safety relief valve seat:	stainless steel
Hydraulic seals:	EPDM
Springs:	steel UNI 3823

Performance

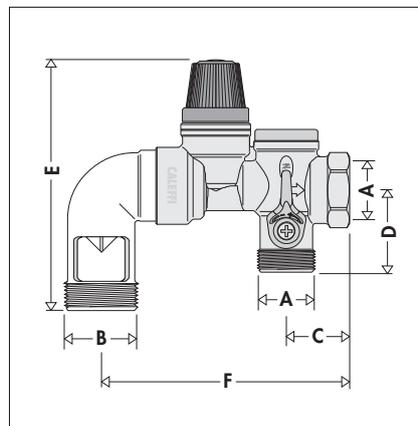
Medium:	water
Max. working temperature:	120°C
Max. working pressure:	10 bar
Safety relief valve opening pressure:	7 bar
Max. power output of the water heater:	10 kW
Discharge flow rate at 8,4 bar (+20% Po):	- with water: > 600 l/h
	- with steam: > 220 kg/h

Threaded connections: inlet 3/4" M
outlet 3/4" F
discharge 1" M

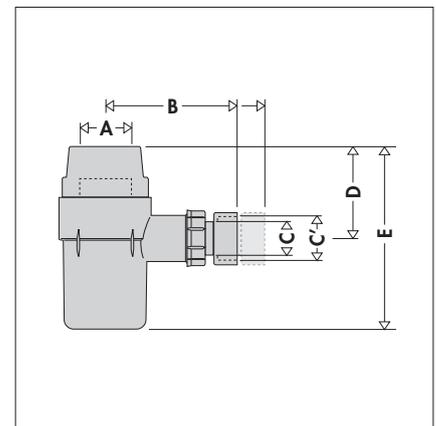
Dimensions



Code	A	B	C	D	E	F	Mass (kg)
526142	1/2"	1"	29	38	98,5	122	0,46
526152	3/4"	1"	29	38	98,5	122	0,45



Code	A	B	C	D	E	F	Mass (kg)
526153	3/4"	1"	29	38	114	116,5	0,49



Code	A	B	C	C'	D	E	Mass (kg)
319601	1"	83+100	Ø25	Ø32	55	117	0,08

Characteristic components

- ① Shut-off cock
- ② Class A check valve
- ③ Inspection port to check functionality of the check valve
- ④ Safety relief valve
- ⑤ Discharge tundish and air gap
- ⑥ Knob for manual discharge
- ⑦ Plug for access to the check valve
- ⑧ Stainless steel seat

Reference standards

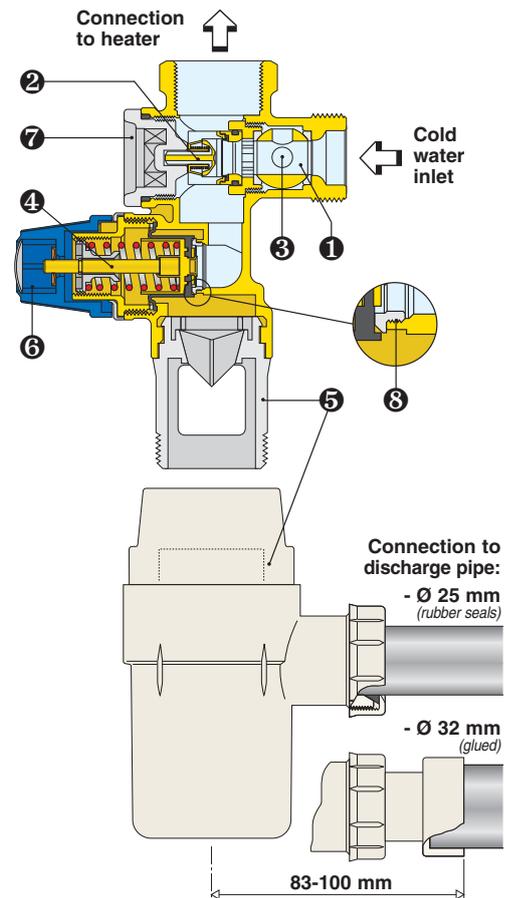
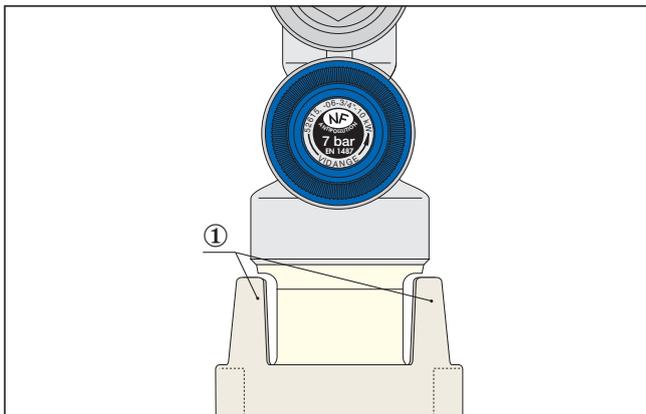
Certification in accordance with European Standard EN 1487

European Standard EN 1487: 2000 "Building valves-Hydraulic safety groups-Tests and requirements" describes the construction and performance characteristics required of hydraulic safety groups for hot water storage heaters.

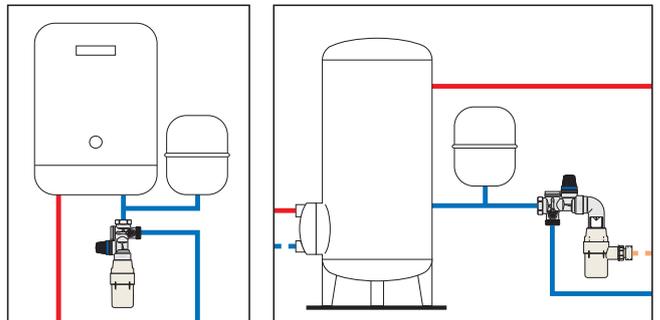
Caleffi 5261 series hydraulic safety groups have been certified by the CSTB and Belgaqua certification bodies as conforming to European Standard EN 1487.

Discharge tundish

The discharge tundish, located at the outlet of the safety valve, must conform to the dimension requirements of standard EN 1487 and discharge must occur without any spillage of water. To meet this requirement the 319 series tundishes are fitted with special **side walls ①** which catch any water spillage during discharge from the safety relief valve and direct it to the drainage pipes.



Application diagrams



SPECIFICATION SUMMARY

5261 series

Hydraulic safety group for hot water storage heaters. Certified to standard EN 1487. With shut-off and class A controllable check valve. Safety relief valve seat in stainless steel. Connection to heater 1/2" (3/4") F. Discharge connection 1" M. Brass body. Chrome plated. EPDM seals. Maximum working temperature 120°C. Maximum working pressure 10 bar. Safety relief valve opening pressure 7 bar.

Code 526153

Hydraulic safety group for hot water storage heaters for horizontal installation. Certified to standard EN 1487. With shut-off and class A controllable check valve. Safety relief valve seat in stainless steel. Connection to heater 3/4" F. Discharge connection 1" M. Brass body. Chrome plated. EPDM seals. Maximum working temperature 120°C. Maximum working pressure 10 bar. Safety relief valve opening pressure 7 bar.

Code 319601

Discharge tundish for hydraulic safety groups to standard EN 1487. Connection 1". In plastic material.

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice.



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