

TRIBLOC

SAFETY GROUP



ADVANTAGES

- Four operations (venting, pressure relief, displaying, connecting) in a space-saving combination
- Self-sealing component connections
- Use of proven components (float air vent, safety valve, manometer)
- Versatile positioning of the manometer (frontal, lateral)
- Manometer with check valve
- Float air vent with automatic check valve

Permanent and automatic venting, aerating as well as pressure relief.

DESCRIPTION

The safety group is a multiple fitting for heating equipment in the performance range up to 50 kW (DIN 4751). The individual components are assembled into one unit and tested. A self-sealing manometer is included (not assembled). The unit also has a connection for an expansion vessel (R 3/4") or, if required, a filling valve (Rp 1/2").

INSTALLATION POSITION

Vertically upwards.

OPERATION

Venting and aerating

A float-controlled valve opens as the volume of air increases and continuously releases the air collected in the cap. The junction canal transports the water and air straight to the air cap.

Pressure relief

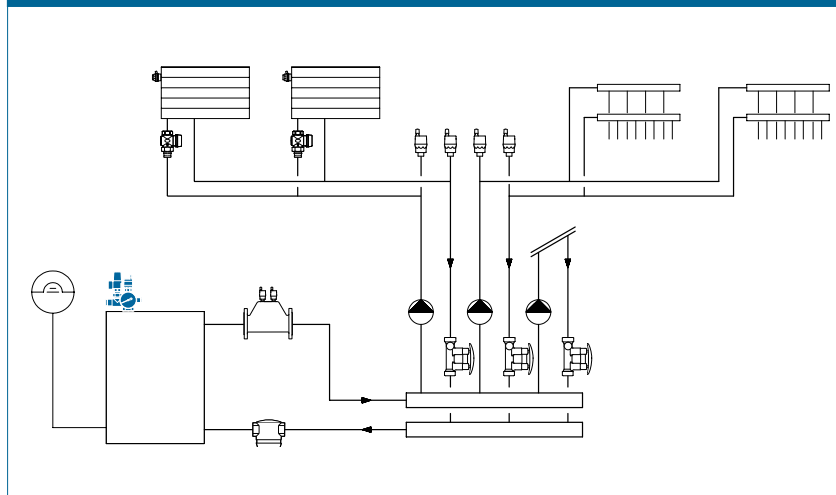
The safety valve prevents the pressure from rising above the normal operating level by releasing heating water via a membrane.

BUILDING CATEGORIES

For pipe installations in heating area:

- Apartment blocks, housing estates, multiple dwelling units
- Residential care facilities, hospitals
- Administration and service buildings
- Hotels and restaurants, industrial kitchens
- School buildings and sports facilities
- Commercial and industrial buildings

SYSTEM/BASIC DIAGRAM



SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Operating temperature $T_{0\ max}$: 100 °C
- Operating pressure $P_{0\ max}$: 10 bar (fitting unit/vent valve)
- Actuating pressure 2.5 bar or 3.0 bar (safety valve)
- Use: Heating systems up to 50 kW
- Additional connections: 3/4" external thread and 1/2" internal thread

Material

- Fitting unit component: Ms 58 brass
- Float vent valve component: Ms 58 brass
- Safety valve component: Ms 58 brass
- Valve spring: stainless steel
- Membrane: elastomer

Fluids

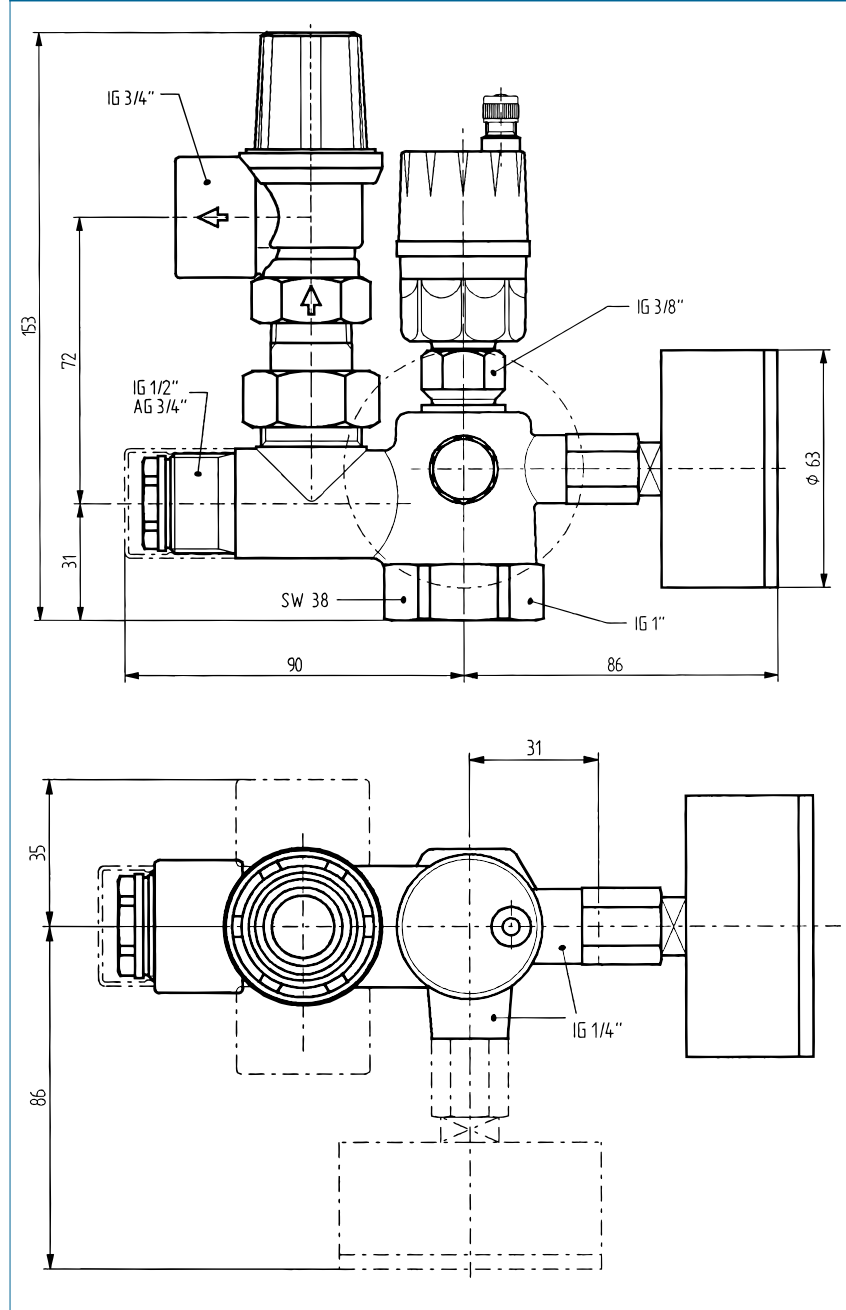
- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)

TYPE OVERVIEW

TriBloc | Safety group

Order no.	DN	Rp	Pressure relief safety valve
232.1225.000	25	1"	2,5 bar
232.1230.000	25	1"	3 bar

DIMENSIONAL DRAWINGS



OPERATION PRINCIPLE SAFETY VALVE

