

Diaphragm safety valves MS, MSM



Benefits

- For protection against overpressure in heating systems
- For water, water/glycol mixtures, liquids of fluid groups 1 and 2
- MSM with pressure gauge for indication of the system pressure

Application

For sealed heating systems as per TRD 721; VdTÜV sheet Safety Valve 100 and 100/4 sheet 1; EN 12828. Also for water heating systems as per DIN 4751-2 with flow temperatures up to 120 °C and DIN 4751-3 with flow temperatures up to 95 °C. Suitable for water, water/glycol mixtures (max. 50 % glycol) and liquids of fluid groups 1 and 2 (Pressure Equipment Directive, Art. 9).

Versions

	Maximum heating capacity	Opening pressure	Pressure gauges	Part no.
Diaphragm safety valve MS - heating systems MS G $\frac{1}{2}$ x G $\frac{3}{4}$	50 kW	2.5 bar		42385
Diaphragm safety valve MS - heating systems MS G $\frac{1}{2}$ x G $\frac{3}{4}$	50 kW	3 bar		42390
Diaphragm safety valve MS - heating systems MS G $\frac{3}{4}$ x G1	100 kW	2.5 bar		42386
Diaphragm safety valve MS - heating systems MS G $\frac{3}{4}$ x G1	100 kW	3 bar		42391
Diaphragm safety valve MS - heating systems MS Rp1 x Rp1 $\frac{1}{4}$	200 kW	2.5 bar		42383
Diaphragm safety valve MS - heating systems MS Rp1 x Rp1 $\frac{1}{4}$	200 kW	3 bar		42378
Diaphragm safety valve MS - heating systems MS Rp1 $\frac{1}{4}$ x Rp1 $\frac{1}{2}$	350 kW	3 bar		42495
Diaphragm safety valve MS - heating systems MSM G $\frac{1}{2}$ x G $\frac{3}{4}$	50 kW	3 bar	0/4 bar	42382

Blue part no. = in-stock items

Description

Safety valve with factory-adjusted opening pressure. MSM with pressure gauge for indicating the system pressure. The size of the valve inlet determines the unit type, the outlet is $\frac{1}{4}$ " larger.



Technical specifications

Connection

See ordering table

Operating temperature range

Medium: -20/+120 °C

Opening pressure

See ordering table

Dimensions (W x H x D)

MS G $\frac{1}{2}$ x G $\frac{3}{4}$: 48 x 60 x 35 mm

MS G $\frac{3}{4}$ x G1: 52 x 60 x 40 mm

MSM G $\frac{1}{2}$ x G $\frac{3}{4}$: 35 x 60 x 45 mm

Material

Housing: Brass

Cap: PA 6, Red

Pressure gauge for heating installations (for MSM)

Diameter: 50 mm

Range: 0/4 bar

Connection: G $\frac{1}{4}$ bottom back

Type approval mark

TÜV.SV.yy-2017.13.H

"yy" represents the year of the approval