

## 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

# VERSIONS

	Maximum heating capacity	Opening pressure	Remember
Diaphragm safety valve MS G <sup>1/2</sup> x G <sup>3/4</sup>	50 kW	2.5 bar	
Diaphragm safety valve MS G <sup>1/2</sup> x G <sup>3/4</sup>	50 kW	3 bar	
Diaphragm safety valve MS G <sup>3/4</sup> x G1	100 kW	2.5 bar	
Diaphragm safety valve MS G <sup>3/4</sup> x G1	100 kW	3 bar	
Diaphragm safety valve MS Rp1 x Rp1 <sup>1/4</sup>	200 kW	2.5 bar	
Diaphragm safety valve MS Rp1 x Rp1 <sup>1/4</sup>	200 kW	3 bar	
Diaphragm safety valve MS Rp1 <sup>1/4</sup> x Rp1 <sup>1/2</sup>	350 kW	3 bar	
Diaphragm safety valve MSM G <sup>1/2</sup> x G <sup>3/4</sup>	50 kW	3 bar	

Blue part no. = in-stock items

## General Information

# Diaphragm safety valves MS, MSM



- 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

MSM with pressure gauge for heating systems



**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 and liquids of fluid groups 1 and 2 (Pressure Equipment Directive, Art. 9).

**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 1/4" larger.

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## Technical specifications

### Connection

See selection table

### Operating temperature range

-20/+120 °C

### Opening pressure

See selection table

### Dimensions

W x H x D: 35 x 60 x 45 mm

### Housing

Brass

### Cap

PA6, red

### Pressure gauge for heating installations (for MSM)

Diameter: 50 mm–G1/4 back

Range: 0/4 bar

Connection: bottom back



See pages 196, 272 for safety valves for solar liquid and drinking water.

DG: G, PG: 2	Maximum heating capacity	Opening pressure	Pressure gauge			Part no.	Price €
<b>MS G<math>\frac{1}{2}</math> x Rp<math>\frac{3}{4}</math></b>	50 kW	2.5 bar	–	1	84	<b>42385</b>	
<b>MS G<math>\frac{1}{2}</math> x Rp<math>\frac{3}{4}</math></b>	50 kW	3.0 bar	–	1	84	<b>42390</b>	
<b>MS G<math>\frac{3}{4}</math> x Rp1</b>	100 kW	2.5 bar	–	1	84	<b>42386</b>	
<b>MS G<math>\frac{3}{4}</math> x Rp1</b>	100 kW	3.0 bar	–	1	84	<b>42391</b>	
<b>MS Rp1 x Rp1<math>\frac{1}{4}</math></b>	200 kW	2.5 bar	–	1	-	42383	
<b>MS Rp1 x Rp1<math>\frac{1}{4}</math></b>	200 kW	3.0 bar	–	1	-	42378	
<b>MS Rp1<math>\frac{1}{4}</math> x Rp1<math>\frac{1}{2}</math></b>	350 kW	3.0 bar	–	1	-	42495	
<b>MSM Rp<math>\frac{1}{2}</math> x Rp<math>\frac{3}{4}</math></b>	50 kW	3.0 bar	0/4 bar	1	30	<b>42382</b>	

\* Enquire for other pressure ratings and connections.

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