Safety Relief Valve RMG 846

Operation and Maintenance, Spare Parts

846.20

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Serving the Gas Industry - WORLDWIDE

1. General remarks

Every person engaged with installation, supervision, or maintenance of the safety relief valve type RMG 846 is requested to read the following leaflets and brochures beforehand:

- **Technical Description 846.00** - contains technical data, measurements, and describes function and design.

- **General Operating Instructions for Gas Pressure Regulators and Safety Devices** - this RMG brochure describes installation and operation, nad includes general hints on fault finding and repair.

- **Operation and Maintenance, Spare Parts 846.20** - contains further details on installation and operation of the safety relief valve RMG 846. Maintenance instructions and the spare part drawings and -lists of the main valve are also included.

Additionally, the relevant national rules and laws have to be observed (In Germany please refer to the DVGW worksheets G 600, G 459/II, G 491 und G 495).

The frequency of periodical maintenance of the gas pressure regulator RMG 512 should be determined according to the prevailing conditions and the type and composition of the gaseous medium. Therefore, no fixed maintenance intervals can be prescribed. For Germany: At the beginning we recommend to use the maintenance intervals stated in the DVGW worksheet G 495. Then individual maintenance intervals should be determined for every station.

For maintenance all parts are to be cleaned and subjected to a thorough visual inspection. A visual inspection should also occur when the course of operation or functional tests have shown lack of regulating accuracy.

Particular care should be given to the checking of sealings and diaphragms, as well as carrying and moving parts. Damaged parts should be replaced by new ones. The item numbers referred to in the maintenance instructions are identical with those of spare parts drawings and spare parts lists.

We recommend to keep all parts that are specially marked **"W"** in the spare parts lists in stock for prompt maintenance availibility.

1.1 Safety symbols

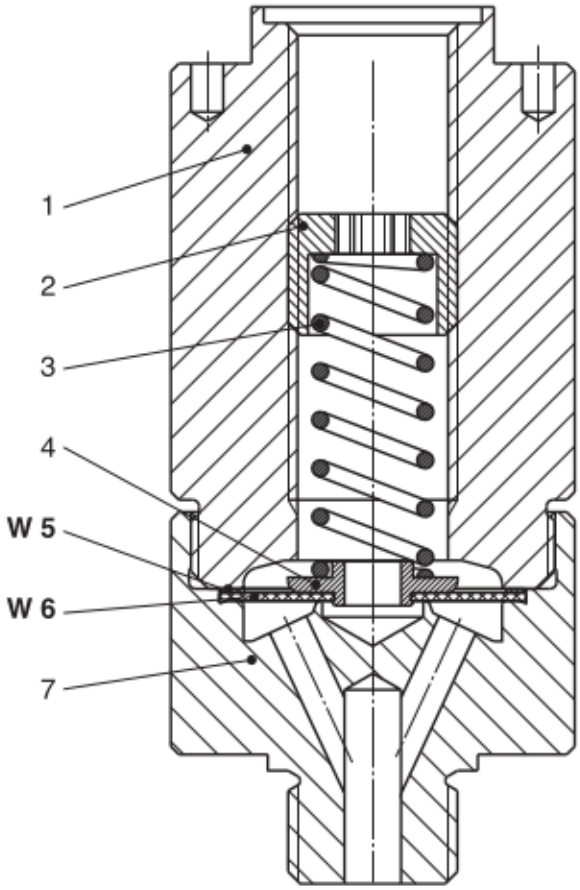
Safety symbols include the following **key words** in these operating instructions

symbols	explanation
⚠ Warning!	risk of human injury
⚠ Caution!	risk of damaging equipment or environment
Note	additional information or requirements

2. Special operating instructions

Use an Allan key (hexagonal key) size 8 mm for setpoint adjustment.

3. Spare parts drawing RMG 846



4. Spare parts list

item no.	description	amount	W	material	RMG stock no.
1	lid	1		LM	18 358 188
2	setpoint adjuster	1		NSt	18 358 189
	setpoint spring, at option:				
3	spring F1 wire dia. 1,0 - Wa 0.2 bar to 0.5 bar	1		NFSt	18 358 543
3	spring F2 wire dia. 1,5 - Wa 0.4 bar to 1.5 bar	1		NFSt	18 358 544
3	spring F3 wire dia. 2,0 - Wa 1.0 bar to 2.5 bar	1		NFSt	18 358 193
3	spring F4 wire dia. 2,2 - Wa 2.0 bar to 4.0 bar	1		NFSt	18 358 534
3	spring F5 wire dia. 2,5 - Wa 3.0 bar to 7.0 bar	1		NFSt	18 358 536
4	diaphragm plate	1		Ms	18 358 191
5	**ring**	**1**	**W**	**K**	**10 030 195**
6	**diaphragm**	**1**	**W**	**KG**	**18 358 192**
7	body	1		LM	18 358 187

W parts are to be held in stock for maintenance work

material key

K ... plastic
KG ... rubber-like plastic material
LM ... light metal
Ms ... brass
NFSt ... stainless spring steel