

SERVING THE GAS INDUSTRY WORLDWIDE

Operation and Maintenance / Spare Parts

**FILTER RMG 905**

**905.20**

Edition 08/2008





# Contents

## Seite

<b>1.</b>	<b>General information</b>	<b>3</b>
1.1	Safety information	3
<b>2.</b>	<b>Specific maintenance instructions</b>	<b>4</b>
2.1	Tightening torques	4
2.2	Lubricants	4
<b>3.</b>	<b>Spare parts</b>	
3.1	Spare parts drawing	5
3.2	Spare parts list	6
<b>4.</b>	<b>Parts for maintenance purposes</b>	<b>6</b>

## 1. General information

All persons involved with the assembly, operation and/or maintenance of gas pressure regulators must read and understand all of the following documents:

- **Technical product information (brochure \*.00)** – it contains the technical data and dimensions of the equipment as well as instructions concerning set-up and mode of operation.
- **General operating manual for gas pressure regulators and safety devices** – this RMG document contains information on assembly and operation as well as general information on troubleshooting.
- **Operating and maintenance instructions / spare parts (brochure\*.20)** – this document contains more detailed information on assembly and operation of the gas pressure regulator.
- **Filter RMG 905 is an integral component of the control unit and is described in this document, "Operating and maintenance instructions, spare parts".**

There are **national laws** and regulations for all sorts of jobs on gas pressure regulators, from planning to maintenance. Be sure to comply. (In Germany, for instance, DVGW work sheets G 600, G 459/II, G 491 and G 495.)

Inspection and maintenance intervals depend mostly on operating conditions and the nature and properties of the gas. There are no general rules or recommendations for intervals. For Germany, we recommend to consider maintenance intervals as stated in DVGW work sheet G 495 in a first instance. However, in the mid-term, intervals must be adapted to the requirements of each specific equipment.


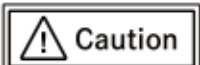
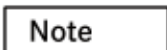
During maintenance, components must be cleaned and then checked thoroughly. This is necessary even if there have been any unusual observations during operation and/or functional testing. Checks must focus, in particular, on diaphragms and seals and all movable parts and their respective bearings. Any and all defective parts must be replaced with new ones. The same applies to O rings removed during disassembly.

Item numbers mentioned in the specific operating and maintenance instructions correspond with the numbers in the spare parts lists and drawings.

Some parts in the lists and drawings are marked with a letter "W". We recommend you always have a reserve of those parts in stock for maintenance purposes. Those spare parts are put together in another separate list at the end of the spare parts list.

### 1.1 Safety information

In this manual, safety information is highlighted by means of the following titles and eye catchers:

Eye catchers	used for:
 <b>Danger</b>	<b>Danger to life and limb</b>
 <b>Caution</b>	<b>Danger of damage to property and/ or the environment</b>
 <b>Note</b>	<b>Important additional information</b>

## 2. Specific maintenance instructions

- **Filter cartridge (6)**

Clean cartridge. Be sure to replace if cartridge turns out to be beyond cleaning and/or damaged.

<b>Note</b>
-------------

Be sure to fit cartridge correctly. *The borehole of the cartridge must face up.*

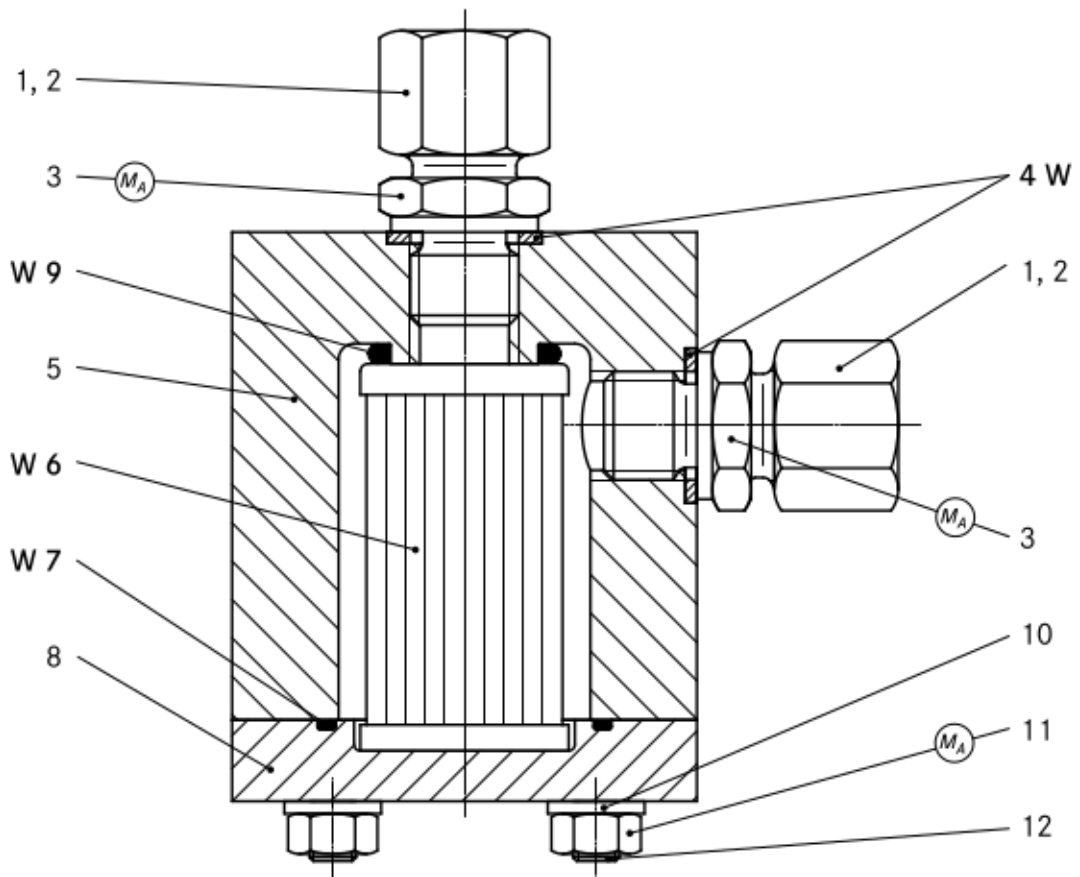
### 2.1 Tightening torques $M_A$

Item no.	Tightening torque $M_A$ in Nm
3	40
11	10

### 2.2 Lubricants

Components (cover with thin layer)	Lubricants	RMG-part no.
O-Ring (7)	Silicone grease	27081 (tube 0.1 kg)
All fastening screws and screwed pipe connections	Assembly paste	27091

### 3.1 RMG 905 spare parts drawing



*M<sub>A</sub>* Be sure to comply with tightening torques in table on page 4.

*W* Parts should be held in stock for maintenance purposes.

### 3.2 RMG 905 spare parts list

Item no.	Denomination	Number	W	Material	Part no
1	Union nut, at option:				
1	Union nut for Ø10 pipe	2		St	30803
1	Union nut for Ø12 pipe	2		St	30804
2	Cutting ring, at option:				
2	Cutting ring for Ø10 pipe	2		St	30903
2	Cutting ring for Ø12 pipe	2		St	30904
3	Connection pipe, at option:				
3	Connection pipe for Ø10 pipe	2		St	30111
3	Connection pipe for Ø12 pipe	2		St	30074
4	<b>Sealing ring</b>	2	W	LM	18842
5	Filter body	1		LM	10000161
6	<b>Filter cartridge</b>	1	W	Filter cloth	26183
7	<b>O ring</b>	1	W	KG	20317
8	Filter cap	1		LM	10000163
9	<b>O ring</b>	1	W	KG	20282
10	Washer	4		St	8279
11	Hex nut	4		St	3399
12	Locking screw	4		St	12218

### 4. Parts for maintenance purposes

Item no.	Denomination	Number	Part no
4	Sealing ring	2	18842
6	Filter cartridge	1	26183
7	O ring	1	20317
9	O ring	1	20282

**W** Parts should be held in stock for maintenance purposes.

German abbreviations stand for the following materials:

St ... steel	LM ... light metal / alloy	GMs ... brass casting
NSt ... stainless steel	Ms ... brass	GZn ... zinc casting
FSt ... spring steel	GS ... cast steel	AlBz ... aluminium bronze
NFSt ... stainless spring steel	GGG ... spheroidal graphite cast iron	K ... synthetic materials
Bz ... bronze	GBz ... bronze casting	KG ... gummous synthetic materials
Cu ... copper	GLM ... light metal casting	SSt ... foamed materials