# MEDENUS

Gas Pressure Regulation

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## Gas-Druckregelgeräte mit SAV
## Gas pressure regulator with SSV
## RS 254 / RS 255 (PS 16 bar)

### Teile für Wartungsarbeiten / Parts for maintenance work

**Hauptmembrane und O-Ring**
**Main diaphragm and O-ring**

| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | RS 254 / 025 RS 254 / 050 | | | RS 254 / 080; RS 254 / 100; RS 255 / 050 RS 255 / 080; RS 254 / 150; RS 255 / 100; RS 254 / 200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | RE 160 | RE 205 | RE 330 | RE 205 | RE 275 | RE 385 / RE 390 MB | RE 385 / RE 390 GMB | RE 485 |
| 15 | O-Ring | 1 | | O-029 | O-033 | O-029 | O-041 | O-042 | O-042 | O-043 |
| | O-Ring | 1 | | | O-054 | | | | | |
| 16 | Membrane Diaphragm | 1 | M-111 | M-121 | M-141 | M-122 | M-132 | M-152 | M-162 | M-172 |
| **Bestellnummer (Ausführung 1) Order number (Version 1):** | | | **M-111** | **MS-121** | **MS-141** | **MS-122** | **MS-132** | **MS-152** | **MS-162** | **MS-172** |
| 15 | O-Ring | 1 | | O-029 | O-033 | O-029 | O-041 | O-042 | O-042 | O-043 |
| | O-Ring | 1 | | | O-054 | | | | | |
| 16 | Membrane Diaphragm | 1 | M-112 | M-122 | M-142 | M-122 | M-132 | M-152 | M-162 | M-172 |
| **Bestellnummer (Ausführung 2) Order number (Version 2):** | | | **M-112** | **MS-122** | **MS-142** | **MS-122** | **MS-132** | **MS-152** | **MS-162** | **MS-172** |

### Ausgleichsmembrane
### Compensating diaphragm

| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | Ventil Valve | RS 254 / 025 RS 254 / 050 | RS 254 / 080 RS 254 / 100 RS 255 / 050 | RS 255 / 080 | RS 254 / 150 RS 255 / 100 | RS 254 / 200 |
|---|---|---|---|---|---|---|---|---|
| 12 | Membrane Diaphragm | 1 | 17,5 | **M-001** | | | | |
| | | | 27,5 | **M-002** | **M-003** | | | |
| | | | 32,5 | **M-004*** | **M-005** | **M-005** | | |
| | | | 42,5 | | **M-006** | **M-007** | **M-007** | |
| | | | 52,5 | | **M-008**** | **M-009** | **M-009** | |
| | | | 65 | | | **M-010** | **M-010** | |
| | | | 85 | | | **M-011** | **M-011** | |
| | | | 95 | | | | **M-012** | **M-012** |
| | | | 115 | | | | | **M-013** |

### Ventilteller
### Valve plate

| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | Ventil Valve | RS 254 / 025 RS 254 / 050 | RS 254 / 080 RS 254 / 100 RS 255 / 050 | RS 255 / 080 | RS 254 / 150 RS 255 / 100 | RS 254 / 200 |
|---|---|---|---|---|---|---|---|---|
| 6 | Ventilteller valve plate | 1 | 17,5 | **VT-001** | | | | |
| | | | 27,5 | **VT-002** | **VT-003** | | | |
| | | | 32,5 | **VT-004*** | **VT-005** | **VT-005** | | |
| | | | 42,5 | | **VT-006** | **VT-006** | **VT-006** | |
| | | | 52,5 | | **VT-007**** | **VT-007** | **VT-007** | |
| | | | 65 | | | **VT-008** | **VT-008** | |
| | | | 85 | | | **VT-009** | **VT-009** | |
| | | | 95 | | | | **VT-010** | **VT-010** |
| | | | 115 | | | | | **VT-011** |

*) nur bei RS254 / 050 **) nur bei RS254 / 100 und RS255 / 050
*) only in RS254 / 050 **) only in RS254 / 100 and RS255 / 050

### Ventilteller SAV / Membrane SAV
### Valve Plate SSV / Diaphragm SSV

| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | Ausnahme Exception | RS 254 / 025 RS 254 / 050 | RS 254 / 080 RS 254 / 100 RS 255 / 050 | RS 255 / 080 | RS 254 / 150 RS 255 / 100 | RS 254 / 200 |
|---|---|---|---|---|---|---|---|---|
| 30 | Ventilteller valve plate | 1 | | **VT-201** | **VT-202** | **VT-206** | **VT-208** | **VT-210** |
| 34 | Membrane Diaphragm | 1 | | **M-201** | **M-201** | **M-201** | **M-202** | **M-202** |
| 38 | Membran Diaphragm | 1 | nur für HD-SAV only for HD-SSV | **M-014** | **M-014** | **M-014** | **M-015** | **M-015** |

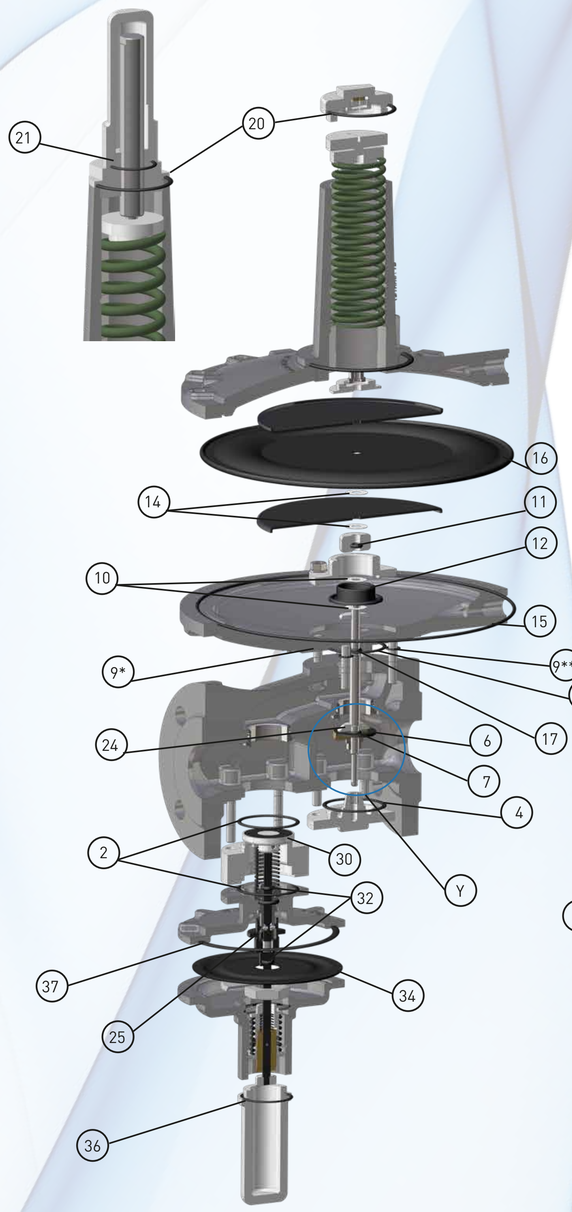
### O-Ring und Dichtring Sätze
### O-Ring and Sealing Ring Sets

| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | Ausnahme Exception | RS 254 / 025 RS 254 / 050 | RS 254 / 080 RS 254 / 100 RS 255 / 050 | RS 255 / 080 | RS 254 / 150 RS 255 / 100 | RS 254 / 200 |
|---|---|---|---|---|---|---|---|---|
| 2 | O-Ring | 1 | | O-014 | O-018 | O-036 | O-044 | O-046 |
| | | 2 | DN 50 | O-014 | | | | |
| | | 2 | vor 1992 before 1992 | | | O-036 | | |
| 4 | O-Ring | 1 | | O-014 | O-018 | O-037 | O-044 | O-046 |
| 7 | O-Ring | 1 | | O-007 | O-009 | O-009 | O-009 | O-009 |
| 8 | O-Ring | 1 | | O-014 | O-035 | O-038 | O-026 | O-026 |
| | | | RE 330 | O-004 | | | | |
| 9 | O-Ring | 1 | | O-019 | O-039 | O-040 | O-031 | O-031 |
| | | 4 | RE 330 | O-002 | | | | |
| | | | RE 390 | | O-002 | | | |
| | | 8 | RE 485 | | | | O-003 | O-003 |
| 10 | NBR-Ring | 2 | | N-001 | N-002 | N-002 | N-002 | N-002 |
| | | | Ventil 27,5 Valve 27,5 | | N-001 | | | |
| | | | Ventil 17,5 Valve 27,5 | KEIN NBR-RING | | | | |
| 11 | O-Ring | 1 | | O-007 | O-009 | O-009 | O-009 | O-009 |
| | | | Ventil 27,5 Valve 27,5 | | O-007 | | | |
| 14 | NBR-Ring | 2 | | N-001 | N-003 | N-003 | N-003 | N-003 |
| 17 | O-Ring | 1 | | O-008 | | | | |
| 20 | O-Ring | 1 | | O-015 | O-015 | O-036 | O-036 | O-036 |
| | | | Verschluss-kappe Guss sealing cap Cast | O-014 | O-014 | O-015 | O-015 | O-015 |
| 21 | O-Ring | 1 | | O-012 | O-012 | O-016 | O-016 | O-016 |
| 24 | O-Ring | 1 | | O-007 | O-009 | O-009 | O-009 | O-009 |
| 25 | O-Ring | 1 | | O-001 | O-001 | O-001 | | |
| 32 | O-Ring | 1 | | O-007 | O-007 | O-007 | O-009 | O-009 |
| 35 | O-Ring | 1 | | O-007 | O-007 | O-007 | O-009 | O-009 |
| 36 | O-Ring | 1 | | O-013 | O-013 | O-013 | O-014 | O-014 |
| 37 | O-Ring | 1 | | O-052 | O-052 | O-052 | | |
| 39 | O-Ring | 1 | | O-022 | O-022 | O-022 | | |
| 40 | O-Ring | 1 | | O-034 | O-034 | O-034 | O-025 | O-025 |
| 41 | O-Ring | 1 | | O-011 | O-011 | O-011 | O-009 | O-009 |
| **Bestellnummer / Order number:** | | | | **OS-001** | **OS-002** | **OS-003** | **OS-004** | **OS-005** |
| **Bestellnummer Satz für HD-SAV Order number set vor HD-SSV:** | | | | **OS-301** | **OS-302** | **OS-303** | **OS-304** | **OS-305** |

### Sicherheitsmembrane
### Safety diaphragm

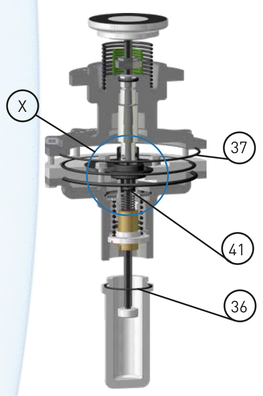
| Pos.-Nr. Item. no. | Bez. Name | Anzahl Stk. Quantity pcs. | RS 254/ 025 RS 254 / 050 | | RS 254 / 080; RS 254 / 100; RS 255 / 050 RS 255 / 080; RS 254 / 150; RS 255 / 100; RS 254 / 200 | | | |
|---|---|---|---|---|---|---|---|---|
| | | | RE 205 | RE 330 | RE 205 | RE 275 | RE 385 / RE 390 | RE 485 |
| 22 | O-Ring | 1 | O-029 | O-033 | O-029 | O-041 | O-042 | O-043 |
| | O-Ring | 1 | | O-054 | | | | |
| 23 | Membran Diaphragm | 1 | M-123 | M-143 | M-123 | M-133 | M-163 | M-173 |
| 26 | O-Ring | 1 | O-013 | O-013 | O-013 | O-013 | O-013 | O-013 |
| **Bestellnummer Order number:** | | | **MS-123** | **MS-143** | **MS-123** | **MS-133** | **MS-163** | **MS-173** |

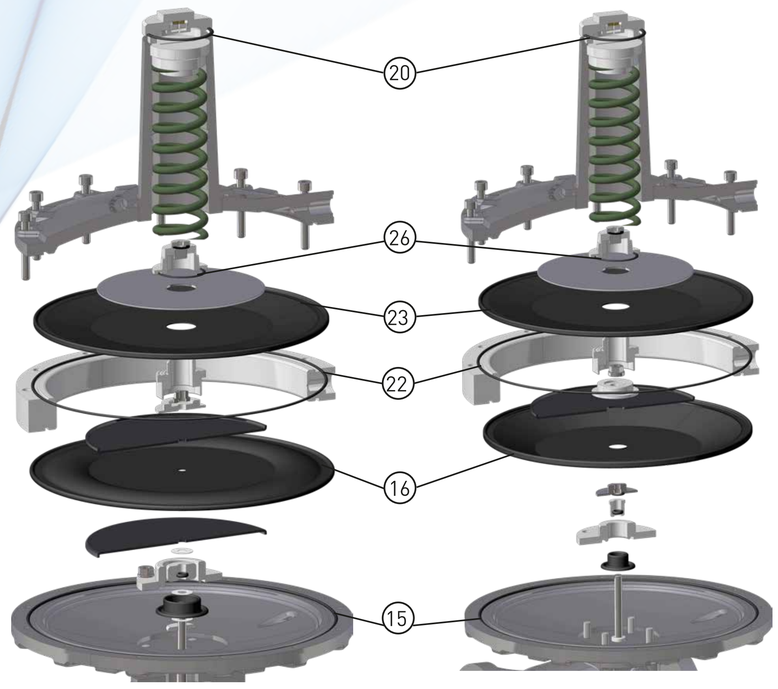
Option Hochdruckspindel
High-pressure spindle option




*) 1x O-Ring bei 385 **) 4x O-Ring bei RE 330 / 390 8x O-Ring bei RE 485
*) 1x O-ring for 385 **) 4x O-ring for RE 330 / 390 8x O-ring for RE 485

Bsp: HD-SAV
E.g.: HD SSV

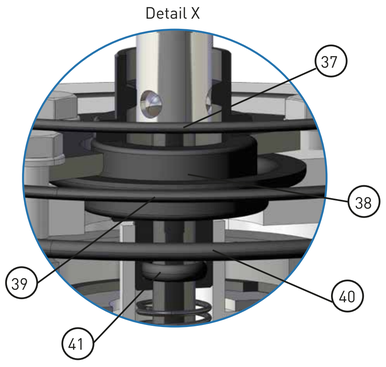


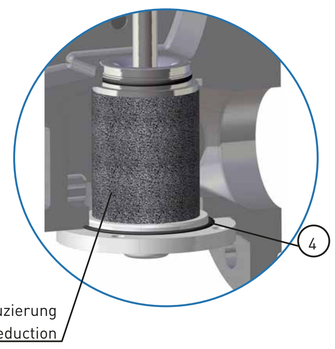

dargestellt RS 254 / 255 mit Sicherheitsmembrane (Ausführung 1)
RS 254 / 255 shown with safety diaphragm (Version 1)

dargestellt RS 254 / 255 mit Sicherheitsmembrane (Ausführung 2)
RS 254 / 255 shown with safety diaphragm (Version 2)

Detail X




Detail Y




Schallreduzierung
Noise reduction

### Optionen für das Gas-Druckregelgerät
### Options for the Gas pressure regulator

| | |
|---|---|
| Sauerstoffausführung $O_2$ ($p_u \leq 10$ bar)<br>Wasserstoffausführung $H_2$ (mit Heliumlecktest)<br>Oxygen version $O_2$ ($p_u \leq 10$ bar)<br>Hydrogen version $H_2$ (with helium leak test) |  |
| Sicherheitsmembrane<br>Safety diaphragm<br>This option is not available for hydrogen ($H_2$). |  |
| Hochdruckspindel HDS<br>High pressure spindle |  |
| Schallreduzierung<br>Noise reduction |  |
| Drosselventil RSD3<br>Throttle valve RSD3 |  |
| Epoxidharzbeschichtung in RAL-Farben<br>Epoxy resin coating in RAL colors |  |
| Montagesatz<br>Mounting kit |  |

### Optionen für das SAV
### Options for the SSV

| | |
|---|---|
| Atmungsventil AV530<br>Breathing valve AV530<br>This option is not available for hydrogen ($H_2$). |  |
| SAV-Stellungsanzeige<br>SSV position indicator |  |
| SAV Hand und Fernauslösung<br>SSV Hand and Remote Release |  |

## Produktinformation
## Product information

## Betriebs- und Wartungsanleitung
## Operating and Maintenance Instruction

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