Rexroth
Bosch Group

Preparation of compressed air → Maintenance units and components

# Series MU1

Brochure

Preparation of compressed air → Maintenance units and components

## Series MU1




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## Series MU1


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## Series MU1

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57

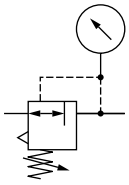
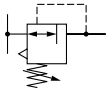
# Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5000 l/min ► Activation: mechanical**

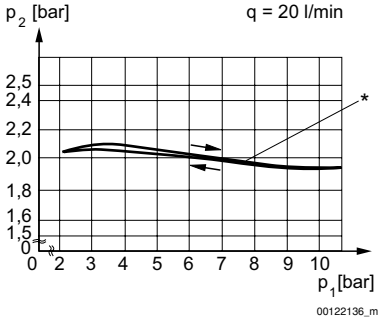
00122134

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 30 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +80°C |
| Ambient temperature min./max. | -10°C / +80°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | See table below |
| Pressure supply | single |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting: panel installation or mounting bracket R412004872 |

| | | Port | Qn | Adjustment range min. - max.. | Weight | Part No. |
|---|---|---|---|---|---|---|
| | | | [l/min] | [bar] | [kg] | |
|  |  | G 1/2 | 5000 | 0.5 - 16 | 1.2 | **R412004371** |
|  | - | G 1/2 | 5000 | 0.5 - 16<br>0.5 - 10 | 1.2 | **R412007578**<br>**9153320160** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | | | |

## Pressure characteristics curve



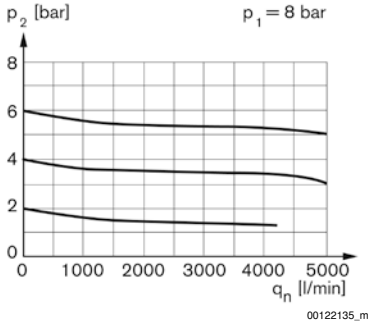

p1 = working pressure; p2 = secondary pressure; q = flow rate
* starting point

**Preparation of compressed air → Maintenance units and components**

# Pressure regulator, Series MU1-RGS

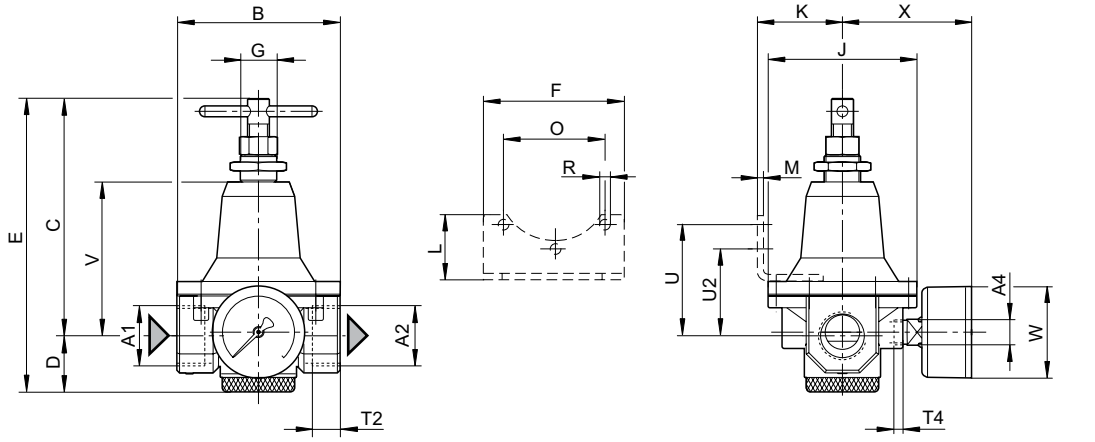
**► G 1/2 ► Qn=5000 l/min ► Activation: mechanical**

## Flow rate characteristic (secondary range p2: 0.5 - 10 bar)




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




| A1 | A2 | A4 | B | C | D | E | F | G | J | K | L | M | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | G 1/2 | G 1/4 | 82 | 129 | 31 | 162 | 124 | M20x1,5 | 82 | 47 | 38 | 3 | 53.6 |

| A1 | R | U | U2 | T2 | T4 | V | W | X | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 6 | 58 | 45 | 14 | 7 | 83 | 63 | 72 | | | | | |

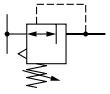
# Pressure regulator, Series MU1-RGS

**► G 1 ► Qn=5000 l/min ► Activation: mechanical**

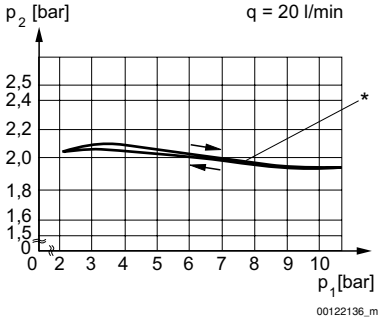
00122134

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 25 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +80°C |
| Ambient temperature min./max. | -10°C / +80°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 10 bar |
| Pressure supply | single |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting: panel installation or mounting bracket R412004872 |

| | Port | Qn | Weight | Part No. |
|---|---|---|---|---|
| | | [l/min] | [kg] | |
|  | G 1 | 5000 | 1.2 | **R412006574** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

**Pressure characteristics curve**

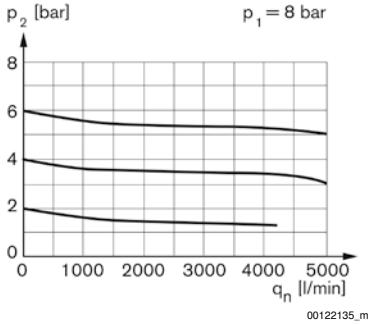



p1 = working pressure; p2 = secondary pressure; q = flow rate
* starting point

# Pressure regulator, Series MU1-RGS

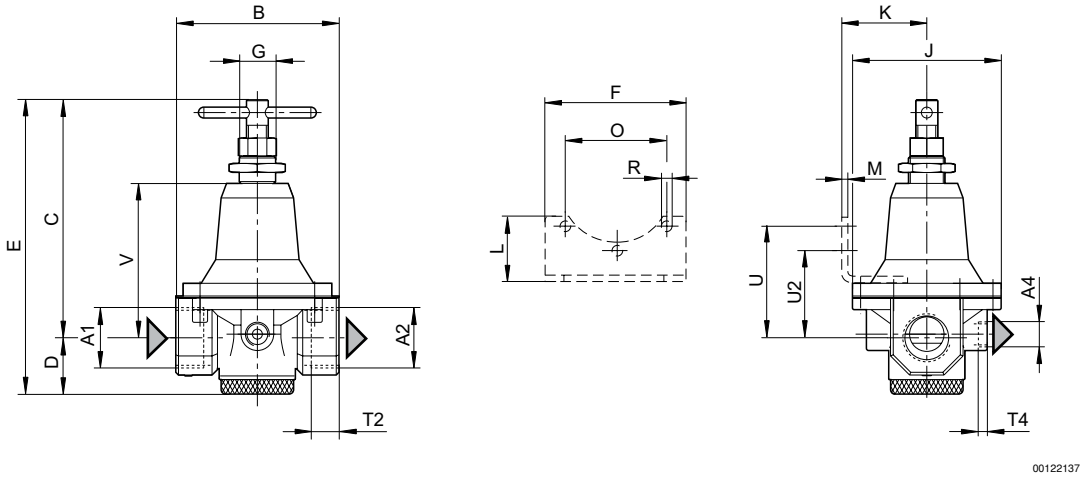
**► G 1 ► Qn=5000 l/min ► Activation: mechanical**

## Flow rate characteristic (secondary range p2: 0.5 - 10 bar)




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




| A1 | A2 | A4 | B ±5 | C ±5 | D ±5 | E ±7 | F | G | J ±5 | K | L | M | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | G 1 | G 1/4 | 90 | 131 | 31 | 162 | 124 | M20x1,5 | 82 | 47 | 38 | 3 | 53.3 |

| A1 | R | T2 | T4 | U | U2 | V | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | 5.5 | 18 | 7 | 60.1 | 47.1 | 83 | | | | | | | |

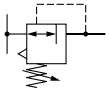
# Pressure regulator, Series MU1-RGS

**► G 1 1/4 - G 1 1/2 ► Qn=15000 l/min ► Activation: mechanical**

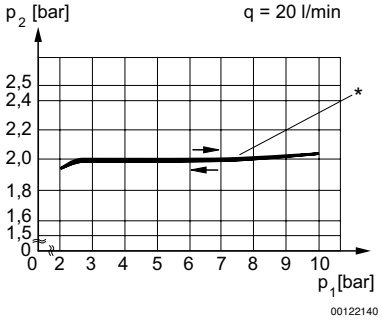
00122138

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 25 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +60°C |
| Ambient temperature min./max. | -10°C / +60°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 10 bar |
| Pressure supply | single |
| | |
| Materials: | |
| Housing | Die-cast aluminum |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ mounting: mounting bracket R412004873 or installation in piping |

| | Port | Qn | Weight | Part No. |
|---|---|---|---|---|
| | | [l/min] | [kg] | |
|  | G 1 1/4 | 15000 | 2.5 | **R412006575** |
| | G 1 1/2 | | | **R402000233** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

**Pressure characteristics curve**



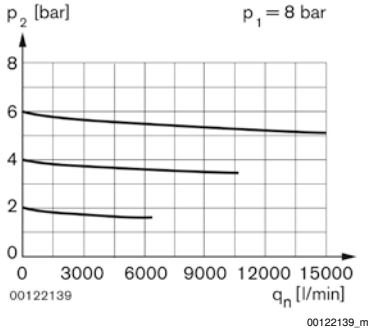

00122140

p1 = working pressure; p2 = secondary pressure; q = flow rate
* starting point

# Pressure regulator, Series MU1-RGS

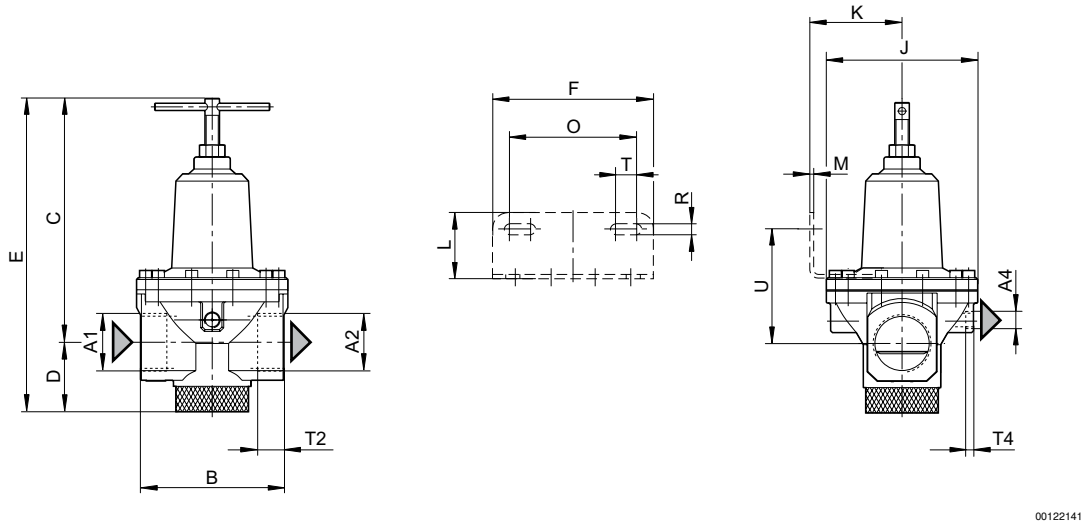
**► G 1 1/4 - G 1 1/2 ► Qn=15000 l/min ► Activation: mechanical**

## Flow rate characteristic (secondary range p2: 0.5 - 10 bar)




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




| A1 | A2 | A4 | B ±5 | C ±5 | D ±5 | E ±7 | F | J ±7 | K | L | M | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 1/4 | G 1 1/4 | G 1/4 | 118.5 | 202.5 | 57.5 | 260 | 124 | 125 | 75 | 51 | 3 | 98 |
| G 1 1/2 | G 1 1/2 | G 1/4 | 118.5 | 202.5 | 57.5 | 260 | 124 | 125 | 75 | 51 | 3 | 98 |

| A1 | R | T | T2 | T4 | U | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 1/4 | 8.4 | 16 | 24 | 9 | 92.5 | | | | | | | |
| G 1 1/2 | 8.4 | 16 | 24 | 9 | 92.5 | | | | | | | |

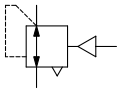
# Pressure regulator, Series MU1-RGS

**► G 1 1/2 ► Qn=35000 l/min ► Activation: pneumatically**

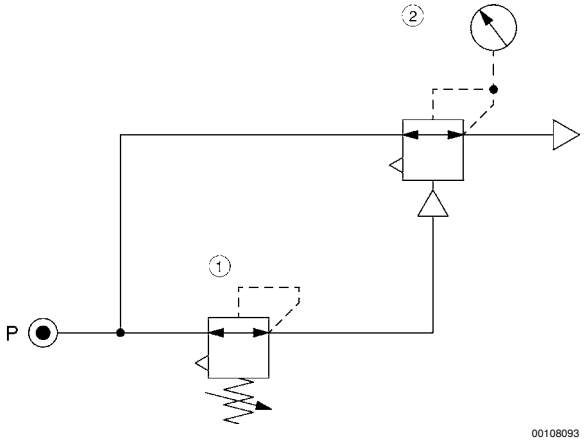

00122142

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 25 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +80°C |
| Ambient temperature min./max. | -10°C / +80°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 16 bar |
| Pressure supply | single |
| Control pressure, max. | 16 bar |
| Materials: | |
| Housing | Die-cast aluminum |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ mounting: mounting bracket R412004873 or installation in piping |

| | Port | Qn [l/min] | Weight [kg] | Part No. |
|---|---|---|---|---|
|  | G 1 1/2 | 35000 | 2.24 | **R412006577** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

**Application example**



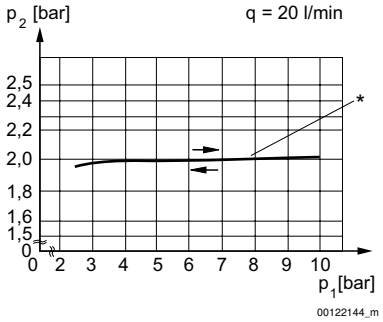

00108093

1) precision pressure regulator 2) pressure regulator valve, pneumatically operated

# Pressure regulator, Series MU1-RGS

**► G 1 1/2 ► Qn=35000 l/min ► Activation: pneumatically**

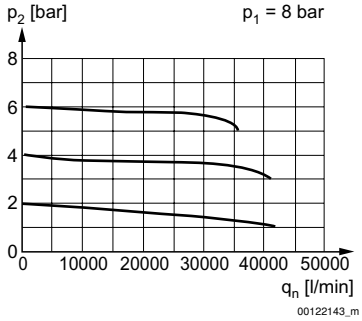
## Pressure characteristics curve




p1 = working pressure; p2 = secondary pressure; q = flow rate

* starting point

## Flow rate characteristic (secondary range p2: 0.5 - 10 bar)

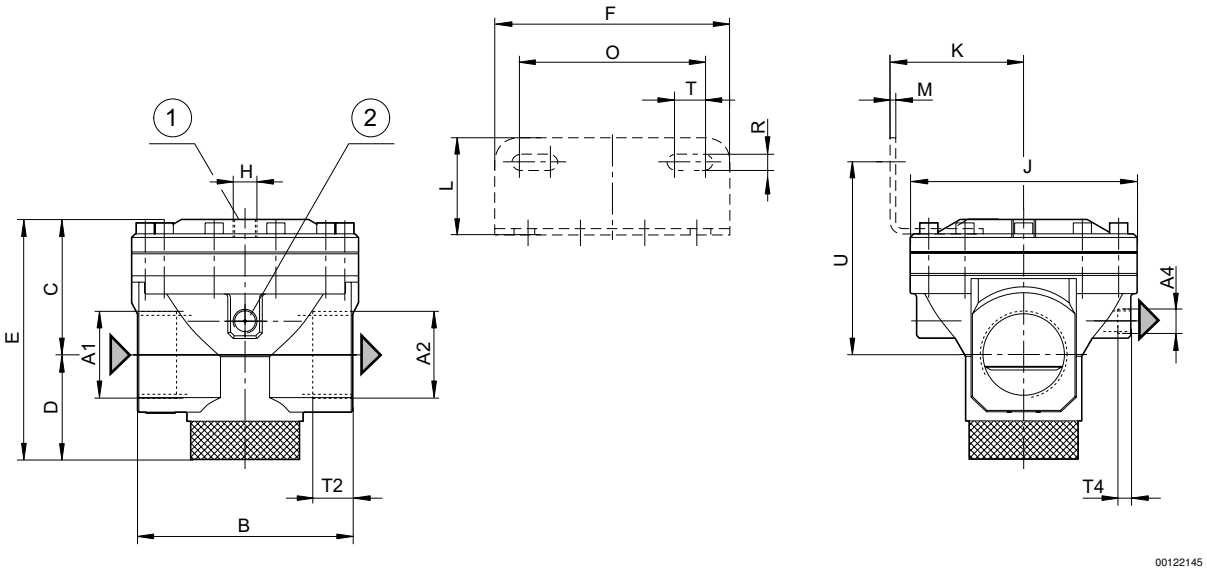



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

# Pressure regulator, Series MU1-RGS

**► G 1 1/2 ► Qn=35000 l/min ► Activation: pneumatically**

## Dimensions




1) Pilot connection
2) Pressure gauge connection

| A1 | A2 | A4 | B ±5 | C ±5 | D ±5 | E ±7 | F | J ±5 | K | L | H | M | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 1/2 | G 1 1/2 | G 1/4 | 118.5 | 74.5 | 57.5 | 132 | 124 | 125 | 75 | 51 | G 1/4 | 3 | 98 |

| A1 | R | T | T2 | T4 | U | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 1/2 | 8.4 | 16 | 24 | 7 | 104.5 | | | | | | | | |

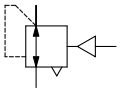
# Pressure regulator, Series MU1-RGS

**► G 2 ► Qn=50000 l/min ► Activation: pneumatically**

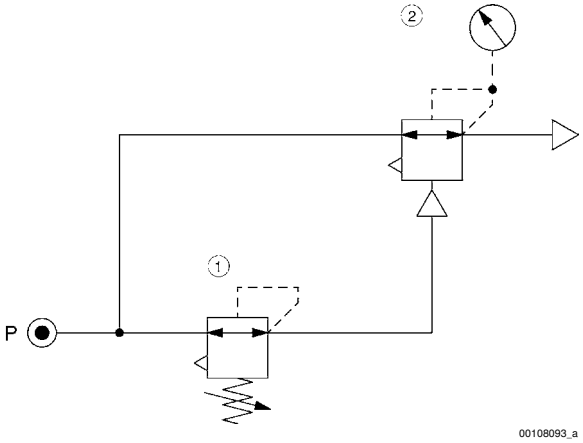
00122146

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 25 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10 °C / +80 °C |
| Ambient temperature min./max. | -10 °C / +80 °C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 16 bar |
| Pressure supply | single |
| Control pressure, max. | 16 bar |
| Materials: | |
| Housing | Die-cast aluminum |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting type: for installing in piping |

| | Port | Qn [l/min] | Weight [kg] | Part No. |
|---|---|---|---|---|
|  | G 2 | 50000 | 4.68 | **R412006578** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

**Application example**



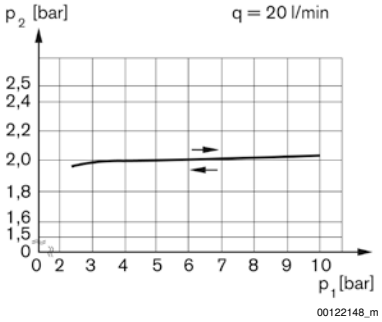

00108093_a

1) precision pressure regulator 2) pressure regulator valve, pneumatically operated

# Pressure regulator, Series MU1-RGS

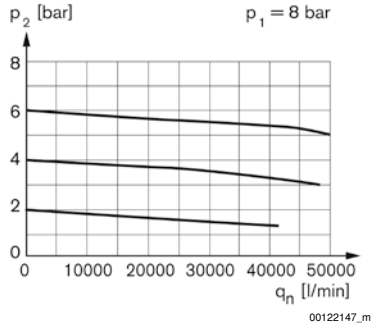
**► G 2 ► Qn=50000 l/min ► Activation: pneumatically**

## Pressure characteristics curve



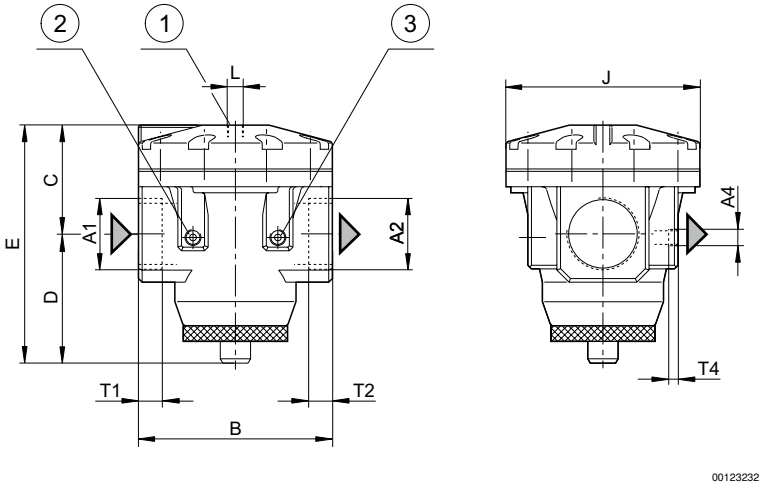

p1 = working pressure; p2 = secondary pressure; q = flow rate
* starting point

## Flow rate characteristic (secondary range p2: 0.5 - 10 bar)




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




1) Pilot connection
2) Pressure gauge connection P1
3) Pressure gauge connection P2

## Pressure regulator, Series MU1-RGS

**► G 2 ► Qn=50000 l/min ► Activation: pneumatically**

| A1 | A2 | A4 | B ±5 | C ±5 | D ±5 | E ±7 | J ±5 | L | T1 | T2 | T4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 2 | G2 | G 1/4 | 160 | 90 | 107 | 197 | 160 | G 1/4 | 30 | 30 | 9.5 | | |

# Filter pressure regulator, Series MU1-FRE

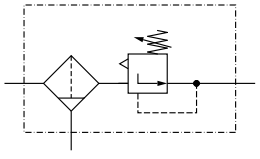
**► G 1 ► filter porosity: 40 µm**

00125521

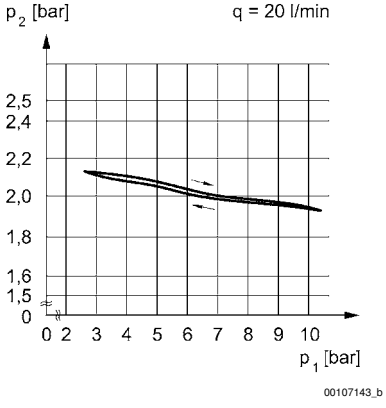
| | |
|---|---|
| Parts | Filter, Pressure controller |
| Nominal flow Qn | 7000 l/min |
| Mounting orientation | vertical |
| Working pressure min./max. | -- / 16 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +60°C |
| Ambient temperature min./max. | -10°C / +60°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 10 bar |
| Pressure supply | single |
| Filter reservoir volume | 300 cm³ |
| Filter element | exchangeable |
| | |
| Materials: | |
| Housing | Die-cast aluminum |
| Seals | Acrylonitrile Butadiene Rubber |
| Reservoir | Die cast zinc |
| Filter insert | Polyethylene |

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Mounting: panel installation or mounting bracket R412004873
- Max. residual oil content acc. to ISO 8573-4 at the outlet: 5 mg/m³

| | Port | Condensate drain | Weight [kg] | Part No. |
|---|---|---|---|---|
|  | G 1 | manual | 2.4 | 9155522410 |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

**Pressure characteristics curve**




00107143_b

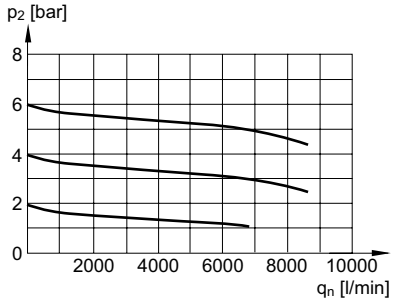
p1 = working pressure; p2 = secondary pressure; q = flow rate

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

# Filter pressure regulator, Series MU1-FRE

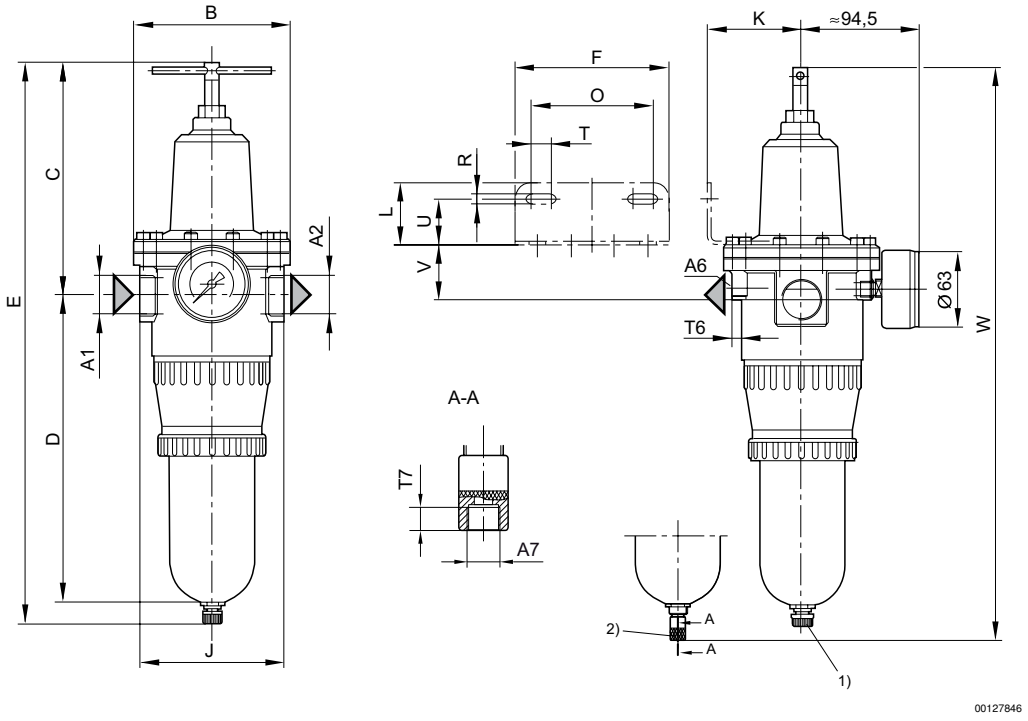
**► G 1 ► filter porosity: 40 µm**

## Flow rate characteristic




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




1) Semi-automatic condensate drain
2) Fully automatic condensate drain

| A1 | A2 | A6 | A7 | B | C | D | E | F | J | K | L | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | G 1 | G 1/4 | G 1/8 | Ø 125 | 190 | 251 | 459 | 124 | 117 | 75 | 38 | 98 |

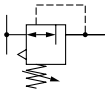
| A1 | R | T | T6 | T7 | U | V | W | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | 8.4 | 16 | 7 | 8.5 | 38 | 45 | 471 | | | | | | |

# Pressure regulator, Series MU1-RGS

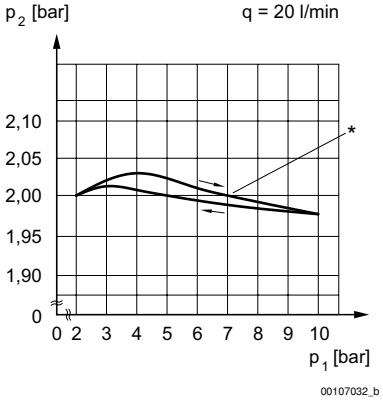
**► G 1/8 - G 1/4 ► Qn=450 l/min ► Activation: mechanical**


| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 25 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +60°C |
| Ambient temperature min./max. | -10°C / +60°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | See table below |
| Pressure supply | single |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting with mounting bracket 1821331013 |

| | Port | Qn | Adjustment range min. - max.. | Weight | Part No. |
|---|---|---|---|---|---|
| | | [l/min] | [bar] | [kg] | |
|  | G 1/8 | 450 | 0.1 - 3.5 | 0.14 | **0821302425** |
| | G 1/8 | | 0.15 - 7 | 0.14 | **0821302426** |
| | G 1/8 | | 0.4 - 10 | 0.14 | **0821302427** |
| | G 1/4 | | 0.1 - 3.5 | 0.12 | **0821302429** |
| | G 1/4 | | 0.15 - 7 | 0.12 | **0821302448** |
| | G 1/4 | | 0.4 - 10 | 0.12 | **0821302449** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | | |

**Pressure characteristics curve**

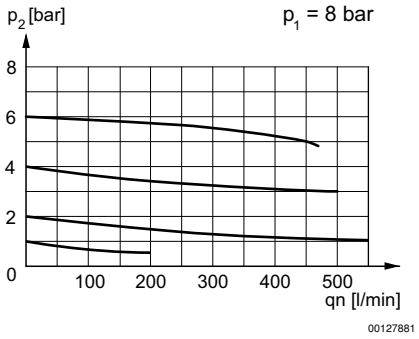



p1 = working pressure; p2 = secondary pressure; q = flow rate
* starting point

# Pressure regulator, Series MU1-RGS

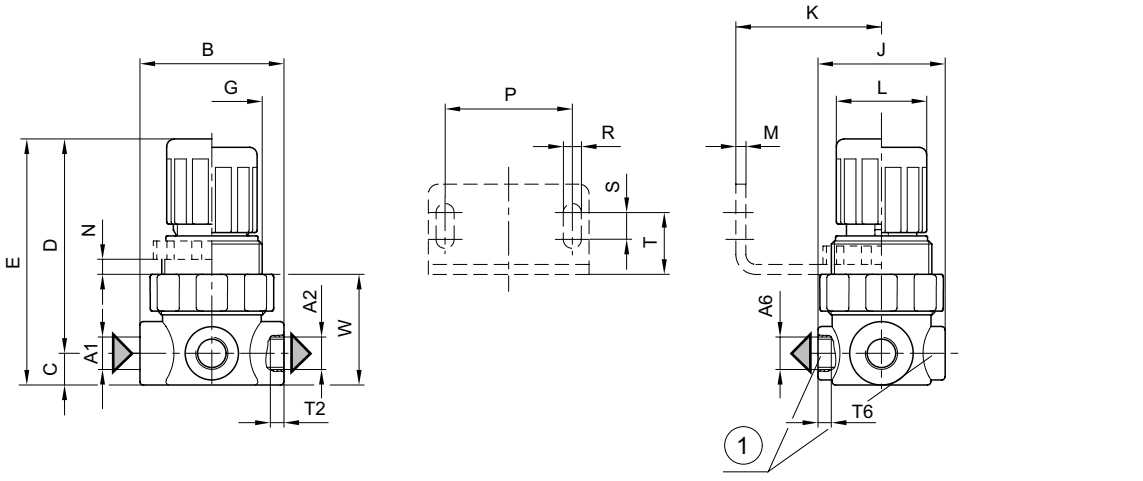
**► G 1/8 - G 1/4 ► Qn=450 l/min ► Activation: mechanical**

## Flow rate characteristic




p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Dimensions




| A1 | A2 | A6 | B | C | D | E | G | J | K | L | M | N | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | G 1/8 | G 1/8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 | 3 | 5 | 38 |
| G 1/4 | G 1/4 | G 1/8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 | 3 | 5 | 38 |

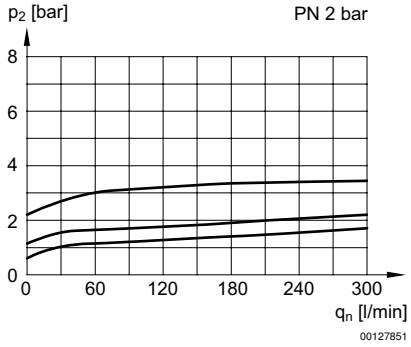
| A1 | R | S | T | T2 | T6 | W | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 5.4 | 8 | 18.5 | 8 | 8 | 33 | | | | | | | |
| G 1/4 | 5.4 | 8 | 18.5 | 8 | 8 | 33 | | | | | | | |

1) Pressure gauge connection

## Pressure regulator, Series MU1-RGS

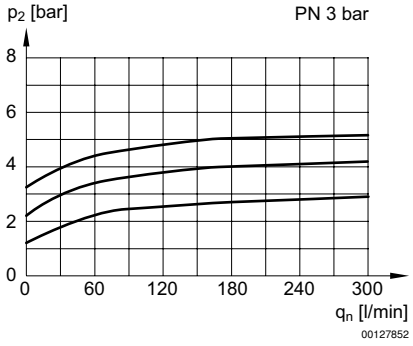
**► G 1/8 - G 1/4 ► Qn=450 l/min ► Activation: mechanical**

**Exhaust**



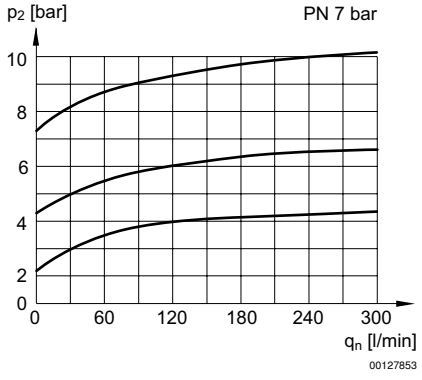

p2 = secondary pressure
qn = nominal flow

**Exhaust**




p2 = secondary pressure
qn = nominal flow

**Exhaust**




p2 = secondary pressure
qn = nominal flow

# Pressure regulator, Series MU1-RGS

**► G 1/4 ► Qn=450 l/min ► Activation: mechanical**

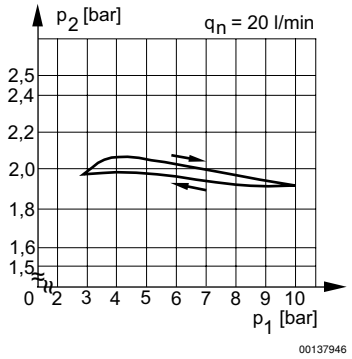
00138102

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 14 bar |
| Medium | Compressed air<br>Medical oxygen |
| Medium temperature min./max. | -10 °C / +50 °C |
| Ambient temperature min./max. | -10 °C / +50 °C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | Without relieving exhaust |
| Pressure supply | single |
| Materials: | |
| Housing | Brass |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting with mounting bracket 1821331013 |

| | Port | Qn | Adjustment range min. - max.. | Weight | Part No. |
|---|---|---|---|---|---|
| | | [l/min] | [bar] | [kg] | |
|  | G 1/4 | 450 | 0.4 - 10 | 0.35 | R412007781 |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | | |

**Pressure characteristics curve**



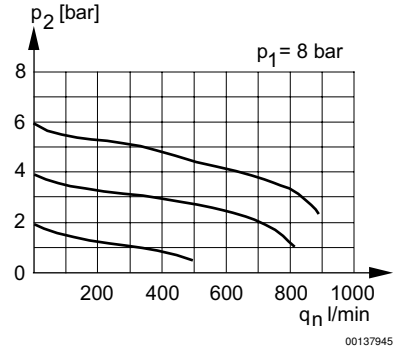

00137946

p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

# Pressure regulator, Series MU1-RGS

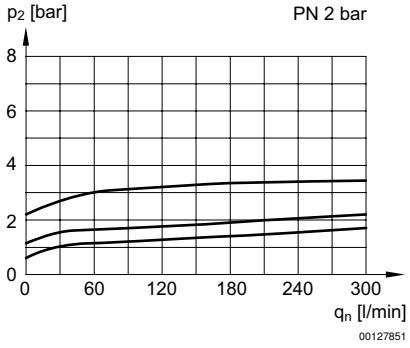
**► G 1/4 ► Qn=450 l/min ► Activation: mechanical**

## Flow rate characteristic



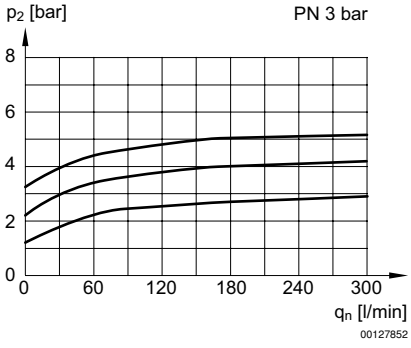

p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Exhaust




p2 = secondary pressure
qn = nominal flow

## Exhaust

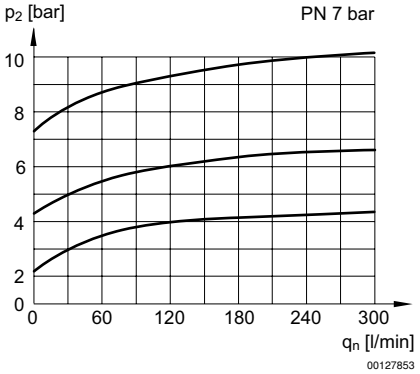



p2 = secondary pressure
qn = nominal flow

# Pressure regulator, Series MU1-RGS

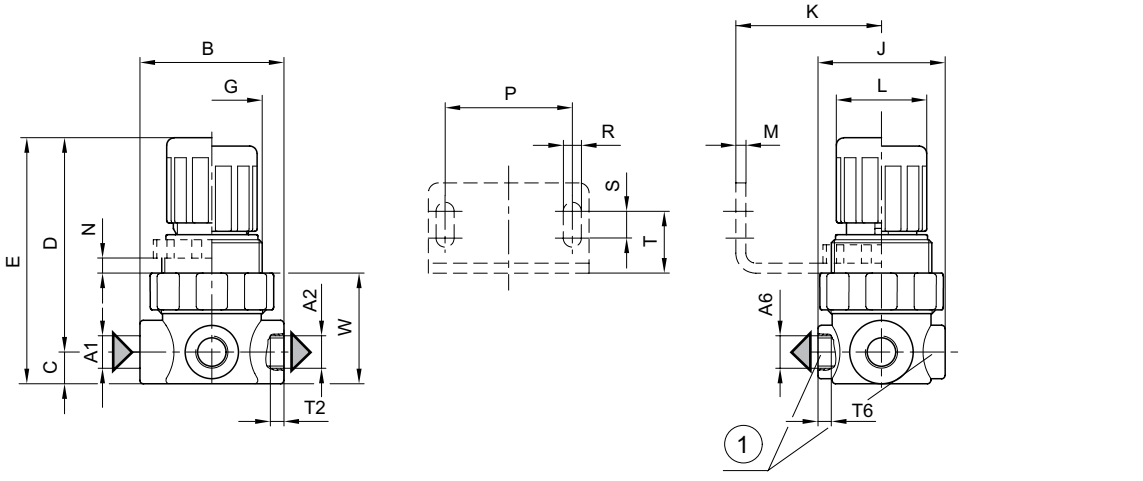
**► G 1/4 ► Qn=450 l/min ► Activation: mechanical**

## Exhaust




p2 = secondary pressure
qn = nominal flow

## Dimensions




| A1 | A2 | A6 | B | C | D | E | G | J | K | L | M | N | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | G 1/4 | G 1/8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 | 3 | 5 | 38 |

| A1 | R | S | T | T2 | T6 | W | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 5.4 | 8 | 18.5 | 8 | 8 | 33 | | | | | | | |

1) Pressure gauge connection

## Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5500 l/min ► Activation: pneumatically**

00106970

| | |
|---|---|
| Mounting orientation | Any |
| Working pressure min./max. | 0.5 bar / 13 bar |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +80°C |
| Ambient temperature min./max. | -10°C / +80°C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.2 bar / 8 bar |
| Pressure supply | single |
| Control pressure, max. | 8 bar |
| Materials: | |
| Housing | Die-cast aluminum |
| Seals | Acrylonitrile Butadiene Rubber |

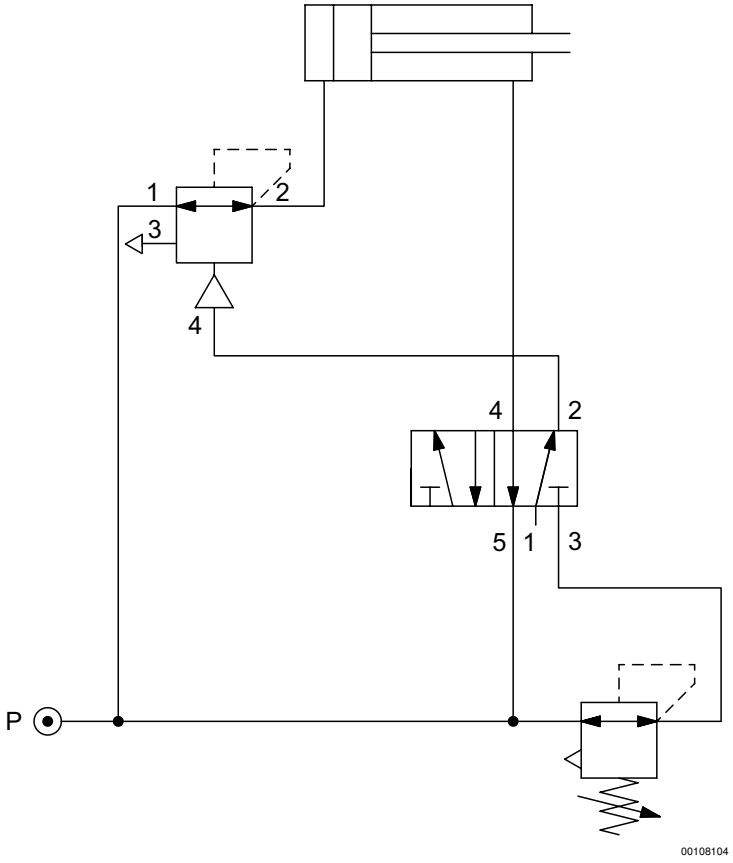
| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting with 4 mounting screws M8 DIN 934 (not in scope of delivery) |
| ■ Relieving exhaust (≤ 0.2 bar over set pressure) |

| | Port | Qn | Weight | Part No. |
|---|---|---|---|---|
| | | [l/min] | [kg] | |
|  | G 1/2 | 5500 | 1.1 | **0821302026** |
| control pressure port: G 1/4<br>nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | |

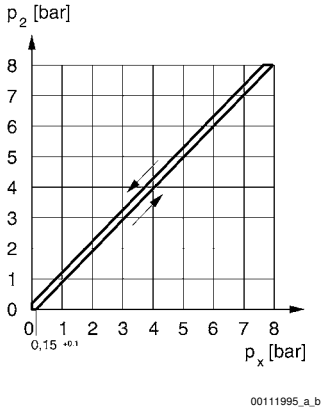
# Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5500 l/min ► Activation: pneumatically**

## Application example



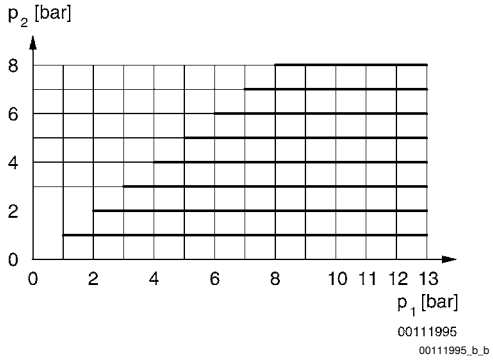

## Pressure characteristics curve




control pressure px/outlet pressure p2

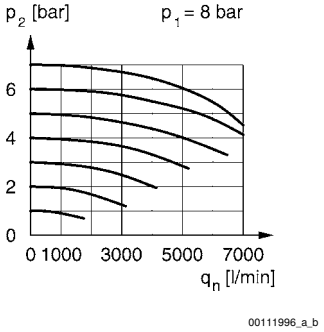
## Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5500 l/min ► Activation: pneumatically**




Input pressure p1/output pressure p2
p1 = working pressure; p2 = secondary pressure; px = control pressure

**Flow rate characteristic, from connection 1 to 2**

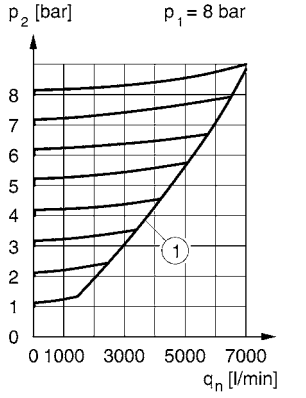



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

## Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5500 l/min ► Activation: pneumatically**

**Flow rate characteristic, from connection 2 to 3**

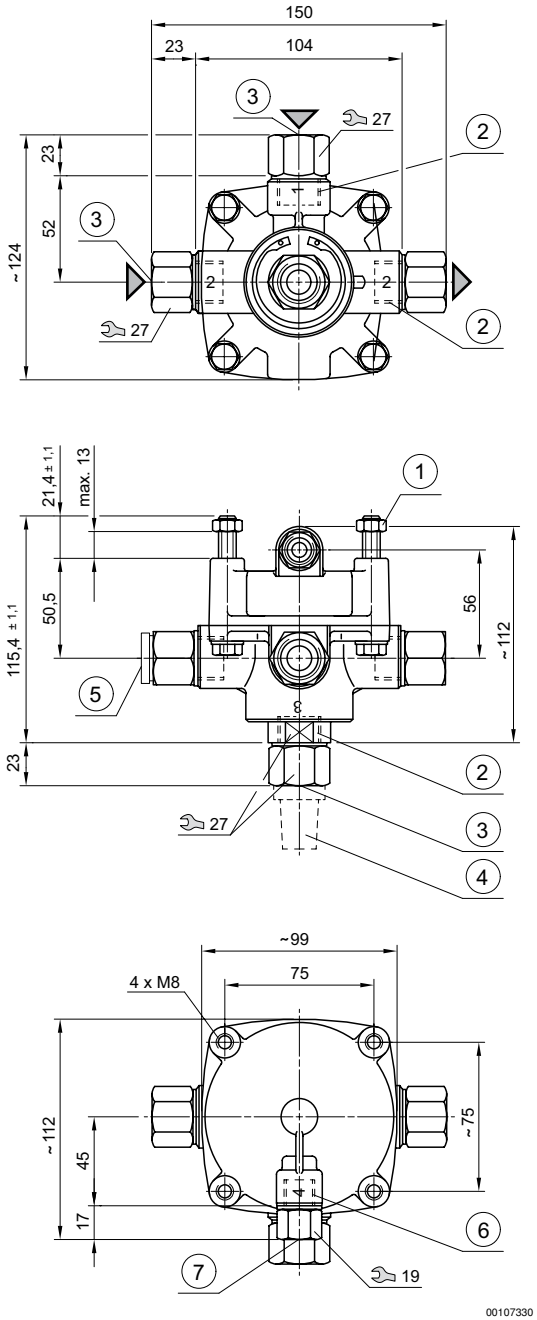



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow
1) with silencer 1827000003

# Pressure regulator, Series MU1-RGS

**► G 1/2 ► Qn=5500 l/min ► Activation: pneumatically**

## Dimensions




(1) not included in scope of delivery (4 x M8, DIN 934)
(2) M22x1.5; min. 13 mm deep
(3) G 1/2; 17 mm deep
(4) silencer
(5) blanking screw, to be fitting when only one connection is used
(6) M16x1.5; min. 12 mm deep
(7) G 1/4; 12 mm deep

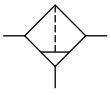
# Filter, Series MU1-FLS

**► G 1 ► filter porosity: 40 µm**

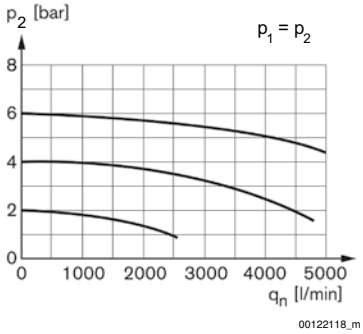
00122117

| | |
|---|---|
| Version | Standard filter |
| Mounting orientation | vertical |
| Working pressure min./max. | See table below |
| Medium | Compressed air |
| Medium temperature min./max. | -10 °C / +60 °C |
| Ambient temperature min./max. | -10 °C / +60 °C |
| Filter reservoir volume | 65 cm³ |
| Filter element | exchangeable |
| filter porosity | 40 µm |
| Condensate drain | See table below |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |
| Filter insert | Polyethylene |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting: mounting bracket R412004874 or installation in piping |
| ■ Max. residual oil content acc. to ISO 8573-4 at the outlet: 10 mg/m³ |
| ■ solid impurities in the compressed air at the outlet as per ISO 8573-1: class 7 |

| | Port | Qn | Working pressure min./max. | Condensate drain | Reservoir | Protective guard | Weight | Part No. |
|---|---|---|---|---|---|---|---|---|
| | | [l/min] | [bar] | | | | [kg] | |
|  | G 1 | 4000 | 1.5 / 16 | semi-automatic, open without pressure | Polycarbonate | Steel | 1.05 | R412006562 |
| | | | 0 / 25 | manual | Die cast zinc | - | | **R412006585** |
| nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar | | | | | | | | |

**Flow rate characteristic**



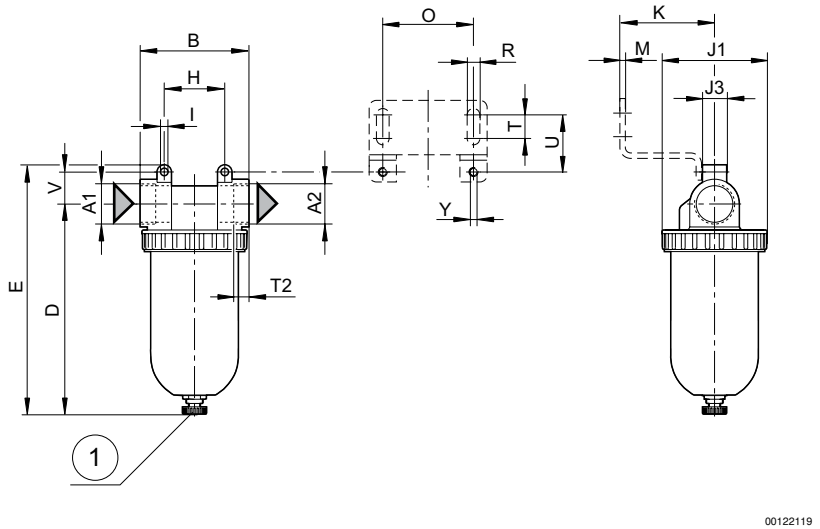

00122118_m

p2 = secondary pressure
qn = nominal flow

# Filter, Series MU1-FLS

**► G 1 ► filter porosity: 40 µm**

## Dimensions




1) manual or semi-automatic condensate drain

| Part No. | A1 | A2 | B | D ±5 | E ±7 | H | I | J1 | J3 | K | M | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412006562 | G 1 | G 1 | 90 | 174 | 206 | 50 | 6.2 | 87 | 20 | 55 | 3 | 50 |
| **R412006585** | G 1 | G 1 | 90 | 174 | 206 | 50 | 6.2 | 87 | 20 | 55 | 3 | 50 |

| Part No. | R | T | T2 | U | V | Y | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412006562 | 7 | 13 | 16 | 31.5 | 26.5 | M6 | | | | | | |
| **R412006585** | 7 | 13 | 16 | 31.5 | 26.5 | M6 | | | | | | |

## Filter, Series MU1-FLS

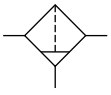
**► G 1 - G 1 1/2 ► filter porosity: 40 µm**

00122120

| | |
|---|---|
| Version | Standard filter |
| Mounting orientation | vertical |
| Working pressure min./max. | See table below |
| Medium | Compressed air |
| Medium temperature min./max. | -10 °C / +60 °C |
| Ambient temperature min./max. | -10 °C / +60 °C |
| Filter reservoir volume | 300 cm³ |
| Filter element | exchangeable |
| filter porosity | 40 µm |
| Condensate drain | See table below |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |
| Filter insert | Polyethylene |

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- mounting: for installing in piping or via 2 through-holes in housing
- Max. residual oil content acc. to ISO 8573-4 at the outlet: 10 mg/m³
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 7

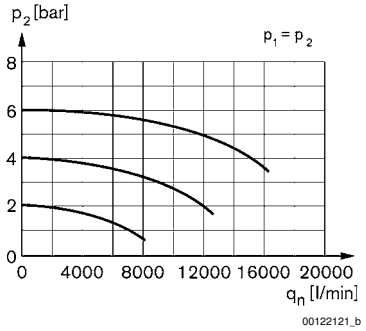
| | Port | Qn | Working pressure min./max. | Condensate drain | Reservoir | Protective guard | Weight | Part No. |
|---|---|---|---|---|---|---|---|---|
| | | [l/min] | [bar] | | | | [kg] | |
|  | G 1 | 12500 | 1.5 / 16 | semi-automatic, open without pressure | Polycarbonate | Steel | 1.5 | R412007587 |
| | G 1 | | 0 / 25 | fully automatic, open without pressure | Die cast zinc | - | | 9155520220 |
| | G 1 1/4 | | 1.5 / 16 | semi-automatic, open without pressure | Polycarbonate | Steel | | R412007588 |
| | G 1 1/4 | | 1.5 / 16 | fully automatic, open without pressure | Die cast zinc | - | | R412006583 |
| | G 1 1/4 | | 0 / 25 | manual | Die cast zinc | - | | R412006565 |
| | G 1 1/2 | | 1.5 / 16 | fully automatic, open without pressure | Die cast zinc | - | | **R412007599** |
| | G 1 1/2 | | 0 / 25 | manual | Die cast zinc | - | | **R412006566** |

nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar

# Filter, Series MU1-FLS

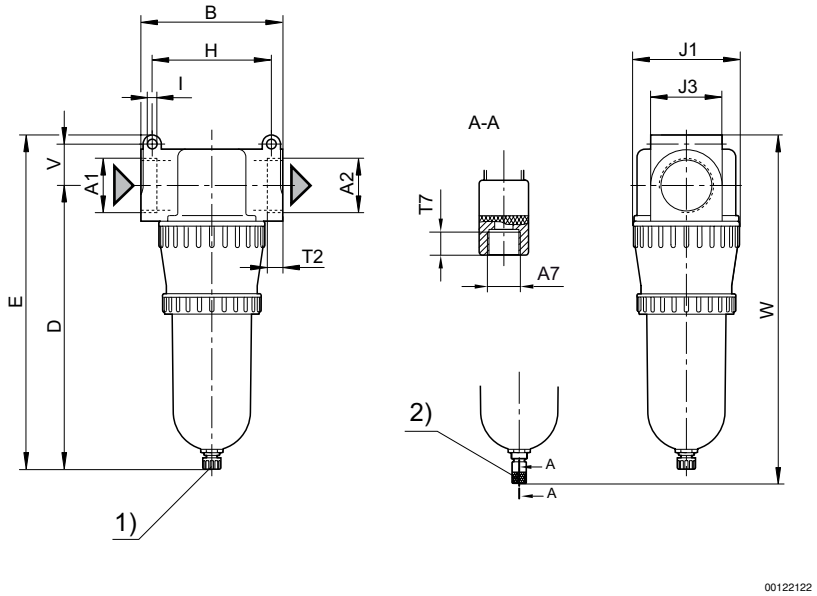
**► G 1 - G 1 1/2 ► filter porosity: 40 µm**

## Flow rate characteristic




p2 = secondary pressure
qn = nominal flow

## Dimensions




1) manual + semi-automatic condensate drain 2) fully automatic condensate drain

| Part No. | A1 | A2 | A7 | B ±7 | D ±7 | E ±7 | H | I | J1 | J3 | T2 | T7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412007587 | G 1 | G 1 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| 9155520220 | G 1 | G 1 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| R412007588 | G 1 1/4 | G 1 1/4 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| R412006583 | G 1 1/4 | G 1 1/4 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| R412006565 | G 1 1/4 | G 1 1/4 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| **R412007599** | G 1 1/2 | G 1 1/2 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |
| **R412006566** | G 1 1/2 | G 1 1/2 | G 1/8 | 125 | 250 | 286.5 | 105 | 8.5 | 100 | 63 | 25 | 8.5 |

| Part No. | V ±5 | W ±7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412007587 | 36.5 | 307 | | | | | | | | | | |
| 9155520220 | 36.5 | 307 | | | | | | | | | | |
| R412007588 | 36.5 | 307 | | | | | | | | | | |

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

## Filter, Series MU1-FLS

**► G 1 - G 1 1/2 ► filter porosity: 40 µm**

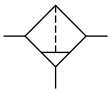
| Part No. | V ±5 | W ±7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412006583 | 36.5 | 307 | | | | | | | | | | |
| R412006565 | 36.5 | 307 | | | | | | | | | | |
| **R412007599** | 36.5 | 307 | | | | | | | | | | |
| **R412006566** | 36.5 | 307 | | | | | | | | | | |

# Filter, Series MU1-FLS

**► G 1 1/2 - G 2 ► filter porosity: 8 - 60 µm**


| | |
|---|---|
| Version | Standard filter |
| Mounting orientation | vertical |
| Working pressure min./max. | See table below |
| Medium | Compressed air |
| Medium temperature min./max. | -10°C / +60°C |
| Ambient temperature min./max. | -10°C / +60°C |
| Filter reservoir volume | 300 cm³ |
| Filter element | exchangeable |
| Condensate drain | See table below |
| | |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |
| Filter insert | Polyethylene |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting via 2 through-holes in housing |
| ■ Max. residual oil content acc. to ISO 8573-4 at the outlet: 10 mg/m³ |
| ■ solid impurities in the compressed air at the outlet as per ISO 8573-1: class 7 |

| | Port | Qn | Working pressure min./max. | Condensate drain | Reservoir | Protective guard | Part No. |
|---|---|---|---|---|---|---|---|
| | | [l/min] | [bar] | | | | |
|  | G 1 1/2 | 30000 | 0 / 16 | manual | Polycarbonate | Steel | R412000667 |
| | G 2 | | 0 / 16 | manual | Polycarbonate | - | R412006568 |
| | G 2 | | 1.5 / 12 | fully automatic, open without pressure | Die cast zinc | - | **R412006570** |
| | G 2 | | 1.5 / 12 | fully automatic, open without pressure | Die cast zinc | - | **R412006571** |

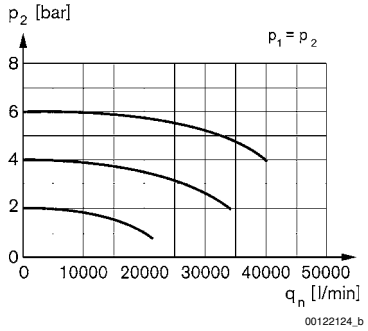
| Part No. | filter porosity | Weight |
|---|---|---|
| | | [kg] |
| R412000667 | 8 | 3.5 |
| R412006568 | 60 | |
| **R412006570** | 60 | |
| **R412006571** | 8 | |

nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar
Metal protective guard can be retrofitted for all polycarbonate reservoirs

# Filter, Series MU1-FLS

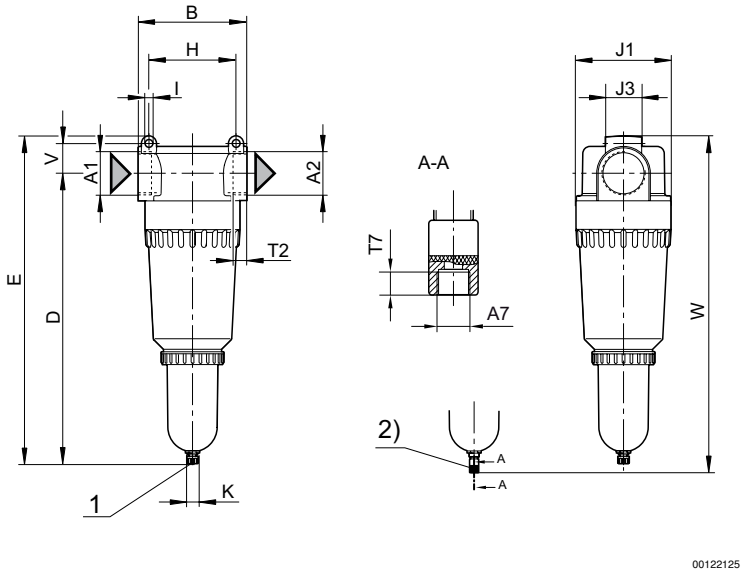
**► G 1 1/2 - G 2 ► filter porosity: 8 - 60 µm**

## Flow rate characteristic




p2 = secondary pressure
qn = nominal flow

## Dimensions




1) manual condensate drain 2) fully automatic condensate drain

| Part No. | A1 | A2 | A7 | B ±7 | D ±7 | E ±7 | H | I | J1 | J3 | T2 | T7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412000667 | G 1 1/2 | G 1 1/2 | G 1/8 | 150 | 383 | 424 | 120 | 10.5 | 131 | 50 | 24 | 8.5 |
| R412006568 | G 2 | G 2 | G 1/8 | 150 | 400.5 | 452 | 120 | 10.5 | 131 | 50 | 24 | 8.5 |
| **R412006570** | G 2 | G 2 | G 1/8 | 150 | 400.5 | 452 | 120 | 10.5 | 131 | 50 | 24 | 8.5 |
| **R412006571** | G 2 | G 2 | G 1/8 | 150 | 400.5 | 452 | 120 | 10.5 | 131 | 50 | 24 | 8.5 |

| Part No. | V ±5 | W ±7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412000667 | 41 | 441.5 | | | | | | | | | | |
| R412006568 | 41 | 464.5 | | | | | | | | | | |
| **R412006570** | 41 | 464.5 | | | | | | | | | | |
| **R412006571** | 41 | 464.5 | | | | | | | | | | |

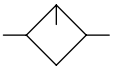
# Standard oil-mist lubricator, Series MU1-LBS

**► G 1 1/4 - G 1 1/2**

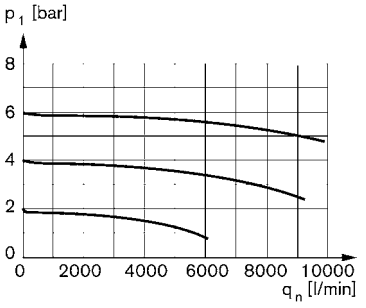
00122126

| | |
|---|---|
| Version | Oil-mist lubricator |
| Mounting orientation | vertical |
| Medium | Compressed air |
| Lubricator reservoir volume | 550 cm³ |
| Type of filling | Manual oil filling |
| Oil type | HLP 32 (DIN 51 524 - ISO VG 32)<br>HLP 68 (DIN 51 524 - ISO VG 68) |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting via 2 through-holes in housing |
| ■ Manual oil filling possible during operation |
| ■ Oil dosing at 1000 l/min [drops/min]: 1-2 |

| | Port | Reservoir | Part No. |
|---|---|---|---|
| | | | |
|  | G 1 1/4 | Die-cast aluminum | **R412006579** |
| | G 1 1/2 | | **R412006580** |
| Nominal flow with secondary pressure 6 bar at Δp = 1 bar | | | |

## Flow rate characteristic



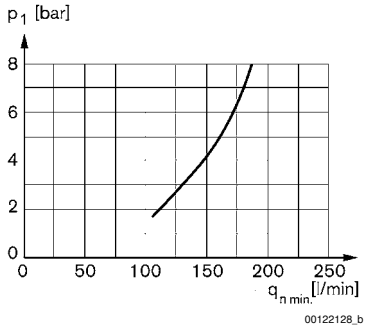

00122127_b

p1 = working pressure
qn = nominal flow

# Standard oil-mist lubricator, Series MU1-LBS

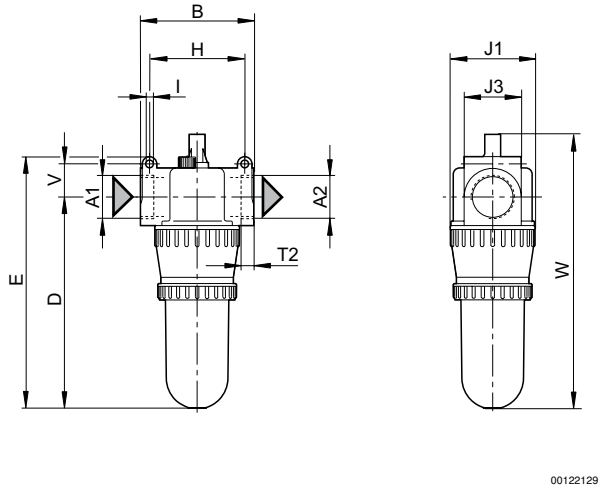
**► G 1 1/4 - G 1 1/2**

**minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)**




p1 = working pressure
qn = nominal flow

**Dimensions**




| A1 | A2 | B ±7 | D ±7 | E ±7 | H | I | J1 | J3 | T2 | V ±5 | W ±7 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 1/4 | G1 1/4 | 125 | 232.5 | 278 | 105 | 8.5 | 100 | 63 | 25 | 36.5 | 301.5 | | |
| G 1 1/2 | G1 1/2 | 125 | 232.5 | 278 | 105 | 8.5 | 100 | 63 | 25 | 36.5 | 301.5 | | |

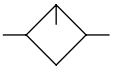
# Standard oil-mist lubricator, Series MU1-LBS

**► G 2**

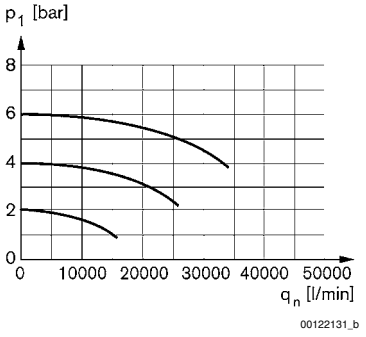
00122130

| | |
|---|---|
| Version | Oil-mist lubricator |
| Mounting orientation | vertical |
| Medium | Compressed air |
| Lubricator reservoir volume | 1700 cm³ |
| Type of filling | Manual oil filling |
| Oil type | HLP 32 (DIN 51 524 - ISO VG 32)<br>HLP 68 (DIN 51 524 - ISO VG 68) |
| Compressed air connection | G 2 |
| Materials: | |
| Housing | Die cast zinc |
| Seals | Acrylonitrile Butadiene Rubber |
| Reservoir | Polycarbonate |
| Protective guard | Steel |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting via 2 through-holes in housing |
| ■ Manual oil filling possible during operation |
| ■ Oil dosing at 1000 l/min [drops/min]: 1-2 |

| | Reservoir | Part No. |
|---|---|---|
| | | |
|  | Polycarbonate | **R412006581** |
| Nominal flow with secondary pressure 6 bar at Δp = 1 bar | | |

**Flow rate characteristic**



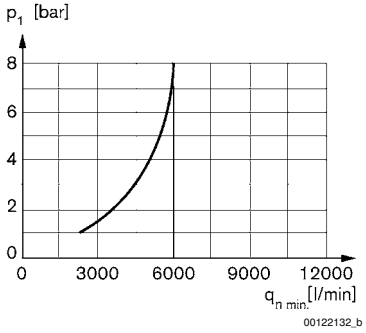

00122131_b

p1 = working pressure
qn = nominal flow

# Standard oil-mist lubricator, Series MU1-LBS

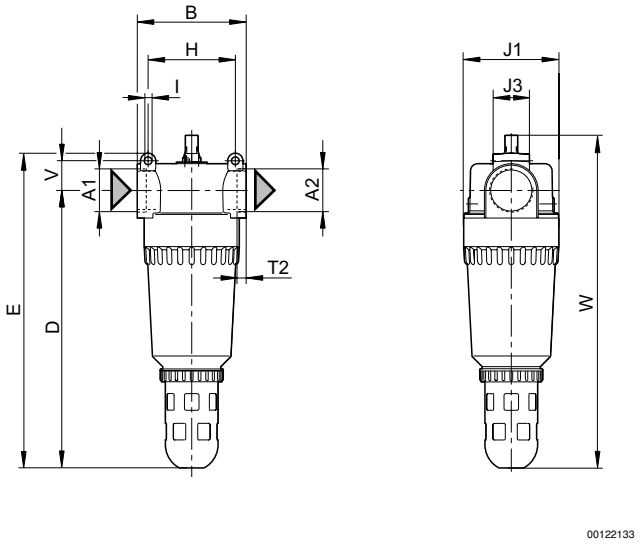
**► G 2**

**minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)**




p1 = working pressure
qn = nominal flow

**Dimensions**




| A1 | A2 | B ±7 | D ±7 | E ±7 | H | I | J1 | J3 | T2 | V ±5 | W ±7 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 2 | G 2 | 150 | 383 | 436 | 120 | 10.5 | 130 | 50 | 24 | 41 | 459 | | | |

# Pressure relief valve, Series MU1

**► Qn = 300 l/min**

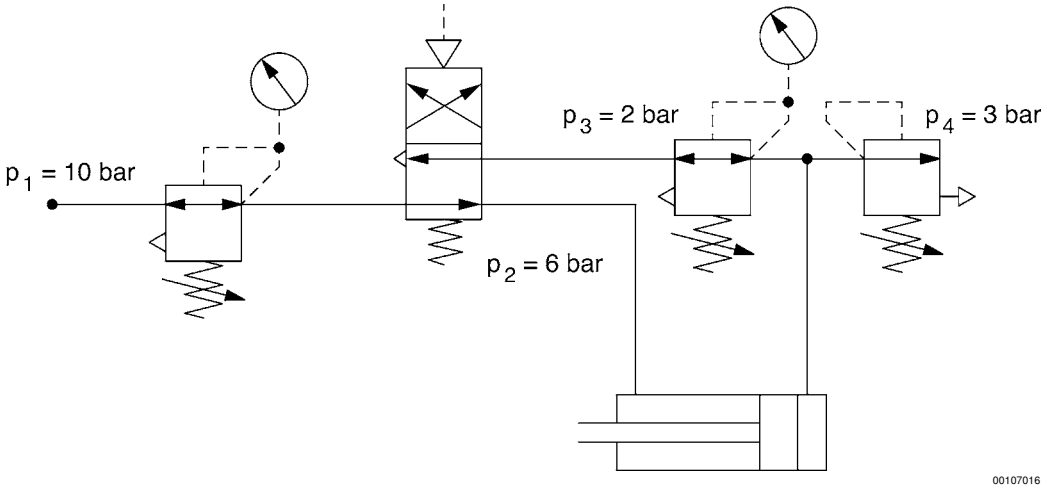

| | |
|---|---|
| Working pressure min./max. | 0 bar / 10 bar |
| Medium | Compressed air |
| Max. particle size | 5 µm |
| Qn | 300 l/min |
| | |
| Materials: | |
| Housing | Die cast zinc |

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Mounting with mounting bracket 1821331013
- panel installation

| | Compressed air connection | | Adjustment range min./max. | Weight | Part No. |
|---|---|---|---|---|---|
| | Input | Output | | | |
| | | | [bar] | [kg] | |
|  | G 1/8 | G 1/8 | 0.1 / 2 | 0.14 | 0821302043 |
| | G 1/8 | G 1/8 | 0.15 / 3 | 0.14 | 0821302044 |
| | G 1/8 | G 1/8 | 0.4 / 6 | 0.14 | **0821302045** |
| | G 1/4 | G 1/4 | 0.1 / 2 | 0.12 | **0821302046** |
| | G 1/4 | G 1/4 | 0.15 / 3 | 0.12 | **0821302031** |
| | G 1/4 | G 1/4 | 0.4 / 6 | 0.12 | **0821302047** |
| | G 1/4 | G 1/4 | 0.4 / 10 | 0.12 | **R412007723** |
| Nominal flow with secondary pressure 6 bar at Δp = 1 bar | | | | | |

**Application example**

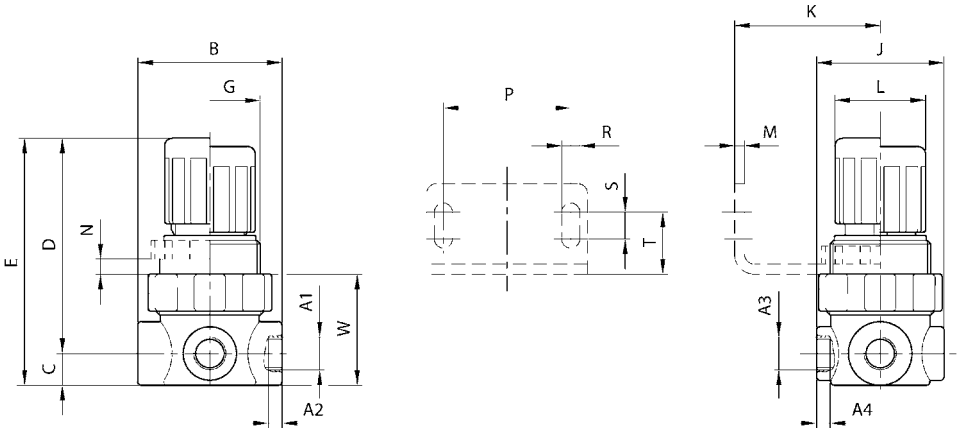



adjustable opening pressure

# Pressure relief valve, Series MU1

**► Qn = 300 l/min**

## Dimensions




00107237

| Part No. | A1 | A2 | A3 | A4 | B | C | D | E | G | J | K | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0821302043 | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| 0821302044 | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| **0821302045** | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| **0821302046** | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| **0821302031** | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| **0821302047** | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |
| **R412007723** | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1,5 | 38 | 40 | 27 |

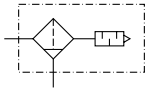
| Part No. | M | N | P | R | S | T | W | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0821302043 | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| 0821302044 | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| **0821302045** | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| **0821302046** | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| **0821302031** | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| **0821302047** | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |
| **R412007723** | 3 | 5 | 38 | 5.4 | 8 | 18.5 | 33 | | | | | |

# Oil separator, Series MU1

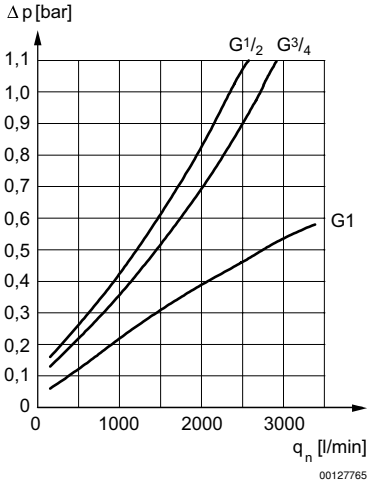
**► G 1/2 - G 1**


| | |
|---|---|
| Version | filter silencer |
| Mounting orientation | vertical |
| Medium | Compressed air |
| | |
| Materials: | |
| Housing | Aluminum |
| Filter end cap | Steel |
| Reservoir | Polyoxymethylene |
| Oil pan | Polyoxymethylene |

| Technical Remarks |
|---|
| ■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. |
| ■ Mounting with mounting bracket 1821336021 |
| ■ max. residual oil content at the outlet: 0.01 mg/m³ |

| | Port | Reservoir | Part No. |
|---|---|---|---|
|  | G 1/2 | Polyoxymethylene | **0821303053** |
| | G 3/4 | | **0821303055** |
| | G 1 | | **0821303054** |
| Nominal flow with secondary pressure 6 bar at Δp = 1 bar<br>Filter efficiency: 99.99%<br>silencer >40 db(A), working pressure 5 bar, qn= 2000 l/min, 1 m distance | | | |

**Flow rate characteristic**

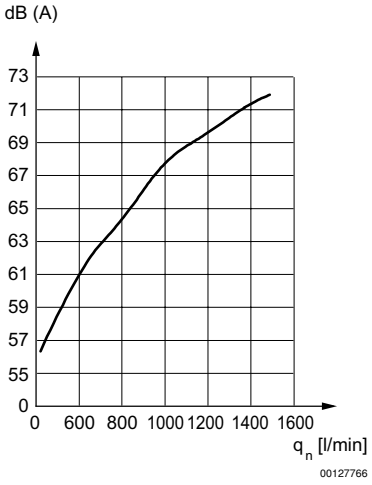



Δp = differential pressure; qn = nominal flow

# Oil separator, Series MU1

**► G 1/2 - G 1**

## noise emission

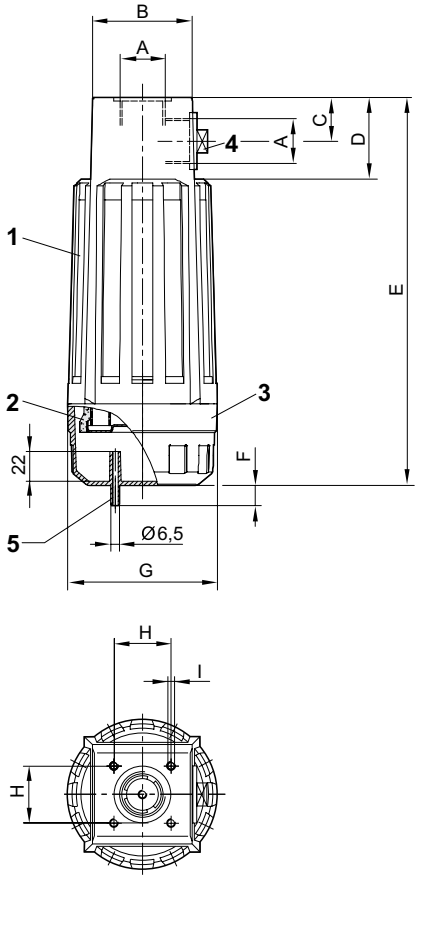



qn = nominal flow

# Oil separator, Series MU1

**► G 1/2 - G 1**

## Dimensions




1) Housing
2) microfilter element
3) drip container
4) plugs
5) Tubing connection

| A1 | A | B | C | D | E | F | G | H | I | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | G 1/2 | 62 | 26 | 48 | 215 | 15 | 90 | 42 | M6 | | | | |
| G 3/4 | G 3/4 | 62 | 26 | 48 | 215 | 15 | 90 | 42 | M6 | | | | |
| G 1 | G 1 | 73 | 32 | 60 | 300 | 15 | 110 | 42 | M6 | | | | |

# Condensate separator, Series MU1

**► G 1/2 ► Material: Polycarbonate**

16639

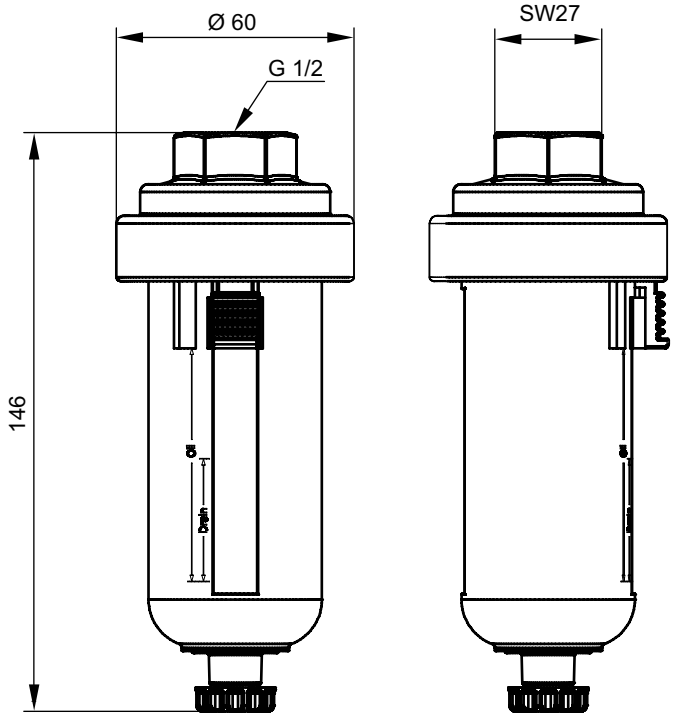
| | |
|---|---|
| Mounting orientation | vertical |
| Ambient temperature min./max. | +0°C / +50°C |
| Medium temperature min./max. | +0°C / +50°C |
| Working pressure min./max. | 1.5 bar - 16 bar |
| Medium | Compressed air |
| Filter reservoir volume | 49 cm³ |
| | |
| Materials: | |
| Reservoir | Polycarbonate |
| Seal | Nitrile butadiene rubber |

**Technical Remarks**

- To discharge condensate and oil from the compressed air network
- Ideally installed at the lowest point of the compressed air network

| | Condensate drain | Reservoir | Weight [kg] | Fig. | Part No. |
|---|---|---|---|---|---|
|  | semi-automatic, open without pressure | Polycarbonate | 0.185 | Fig. 1 | R412010688 |
| | fully automatic, open without pressure | | | Fig. 2 | R412010689 |
| | fully automatic, closed without pressure | | | Fig. 2 | R412010690 |

**Dimensions, Fig. 1**

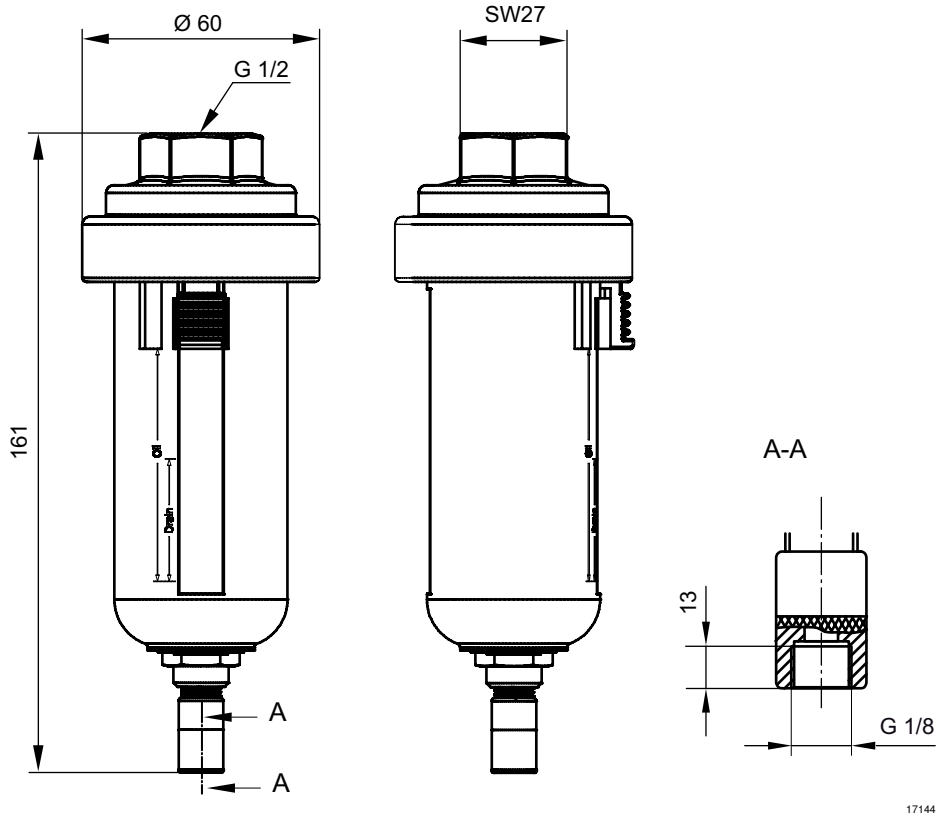



17145

## Condensate separator, Series MU1

**► G 1/2 ► Material: Polycarbonate**

**Dimensions, Fig. 2**



# Series MU1
**Accessories**

## Reservoir, Series MU1
**► Material: metal, Polycarbonate**


| | |
|---|---|
| Version | Reservoir |
| Ambient temperature min./max. | -10 °C / +50 °C |
| Working pressure min./max. | 16 bar |
| Medium | Compressed air |
| Materials: | |
| Seal | Acrylonitrile Butadiene Rubber |

| Condensate drain | Reservoir | Filter reservoir volume | Weight | Fig. | Part No. |
|---|---|---|---|---|---|
| | | [cm³] | [kg] | | |
| - | metal | 550 | 0.33 | Fig. 1 | R412004881 |
| - | Polycarbonate | 1700 | 0.24 | | R412004882 |
| manual | metal | 300 | 0.34 | Fig. 2 | R412004876 |
| semi-automatic, open without pressure | Polycarbonate | 300 | 0.25 | Fig. 3 | R412004877 |
| fully automatic, open without pressure | metal | 300 | 0.395 | Fig. 4 | R412004875 |

**Fig. 1**

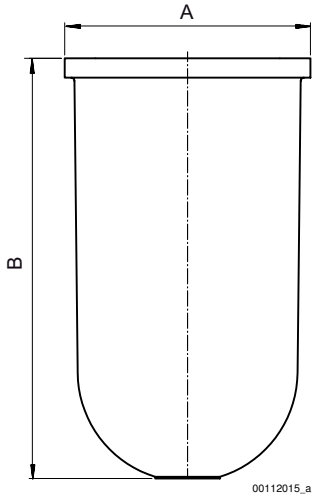
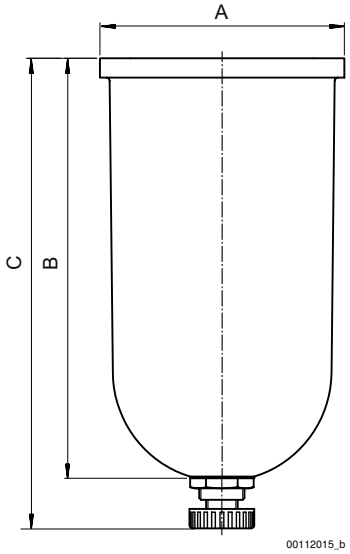



**Fig. 2**



# Series MU1
## Accessories

**Fig. 3**

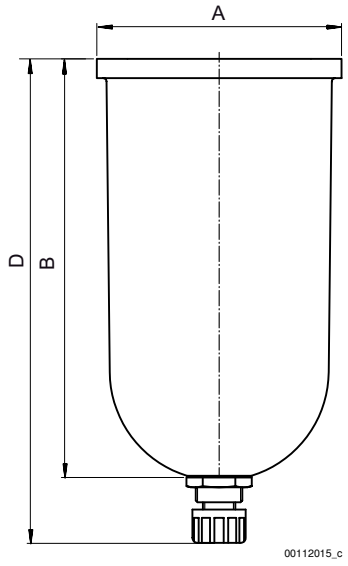
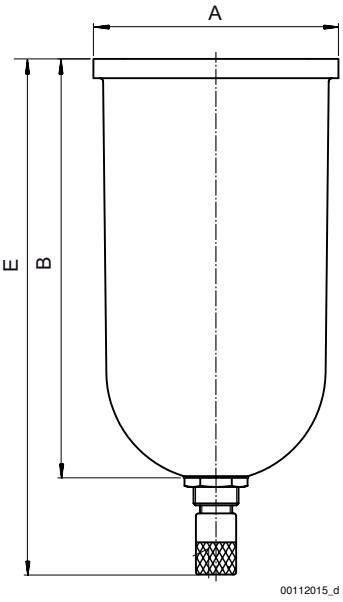



**Fig. 4**

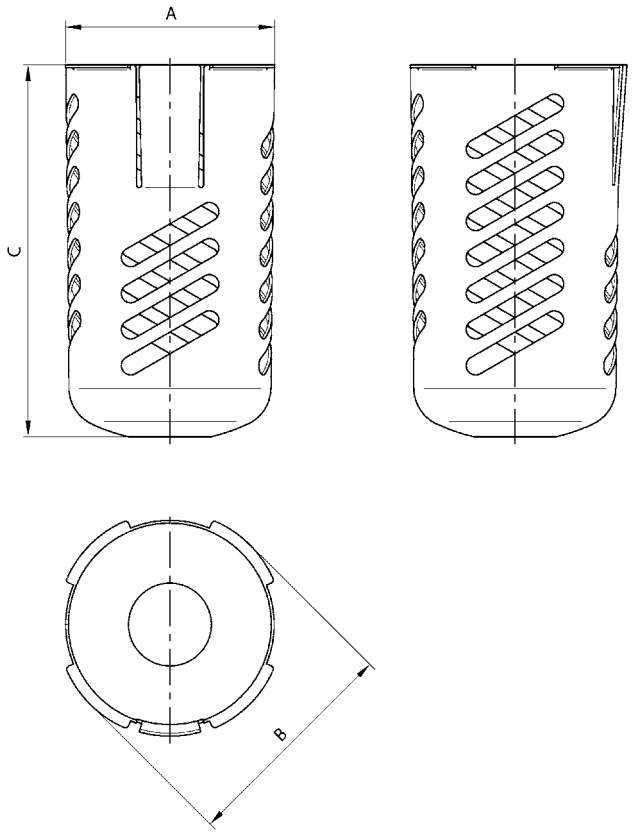



| Part No. | ØA | B | C | D | E | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412004881 | 76 | 130 | - | - | - | | | | | | | |
| R412004882 | 76 | 130 | - | - | - | | | | | | | |
| R412004876 | 76 | 130 | - | 149.7 | - | | | | | | | |
| R412004877 | 76 | 130 | 145.3 | - | - | | | | | | | |
| R412004875 | 76 | 130 | - | | 160 | | | | | | | |

## Series MU1
**Accessories**

## Protective guard for filter and lubricator

00106928



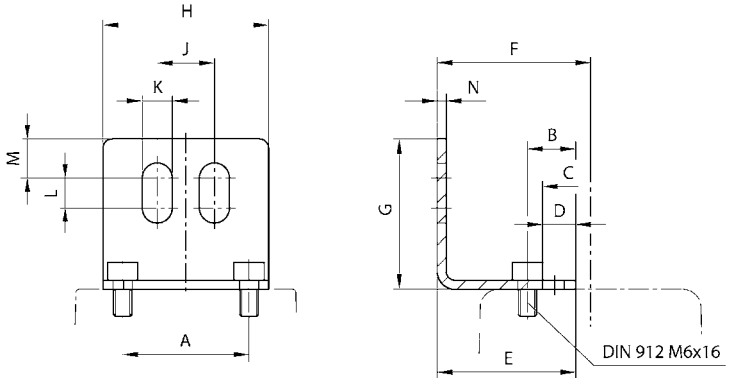

00107325

| Part No. | Type | A | B | C | Material | Weight [kg] | | |
|---|---|---|---|---|---|---|---|---|
| R412004879 | NL4 | 38 | 43 | 86 | Steel | 0.14 | | |

# Series MU1
**Accessories**

## Mounting bracket
**► for oil separator G 1/2, G 3/4, G 1, MU1**

00107002



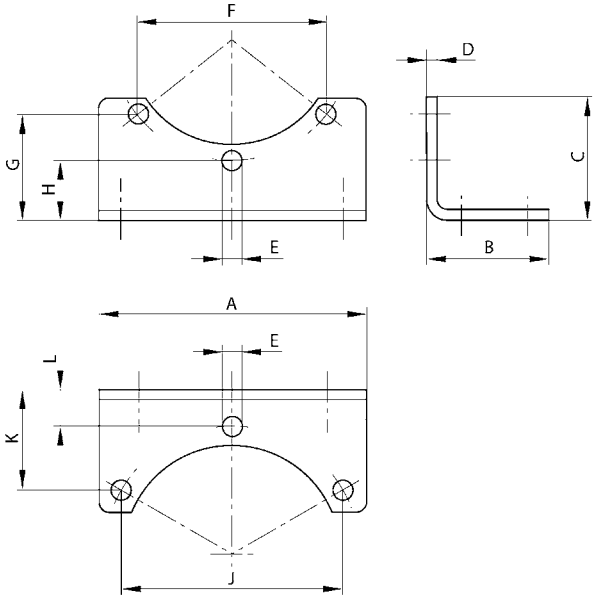

00107313

| Part No. | A | B | C | D | E | F | G | H | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1821336021** | 42 | 21 | 25 | 11 | 46 | 51 | 50 | 55 | 19 | 10 | 10 | 13 |

| Part No. | N | Material | Surface | Weight [kg] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1821336021** | 3 | Steel | galvanized | 0.104 | | | | | | |

## Mounting bracket
**► for MU1, PR1**

00129850



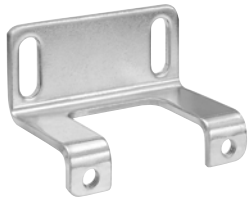

00121359

## Series MU1
**Accessories**

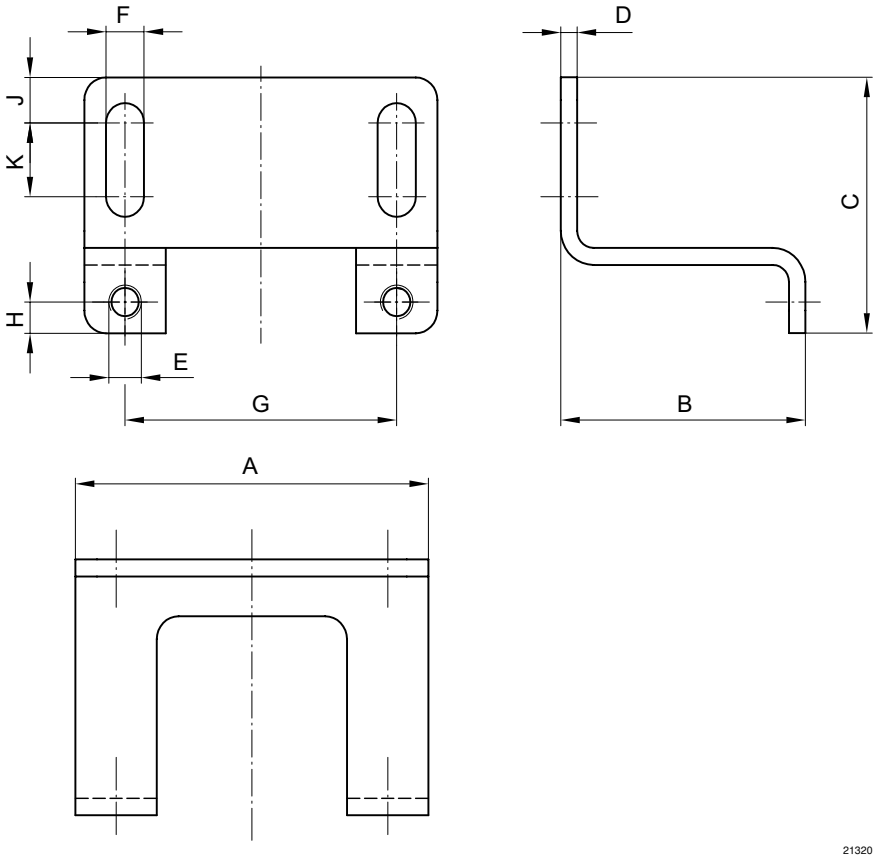
| Part No. | | A | B | C | D | E | F | G | H | J | K | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412004872** | G1 | 76 | 35 | 35 | 3 | 5.5 | 53.6 | 30.1 | 17 | 63.2 | 28.8 | 10.5 |

| Part No. | Material | Surface | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412004872** | Steel | galvanized | | | | | | | | | | |

## Mounting bracket
**► for Filter G1, MU1-FLS**



22696




21320

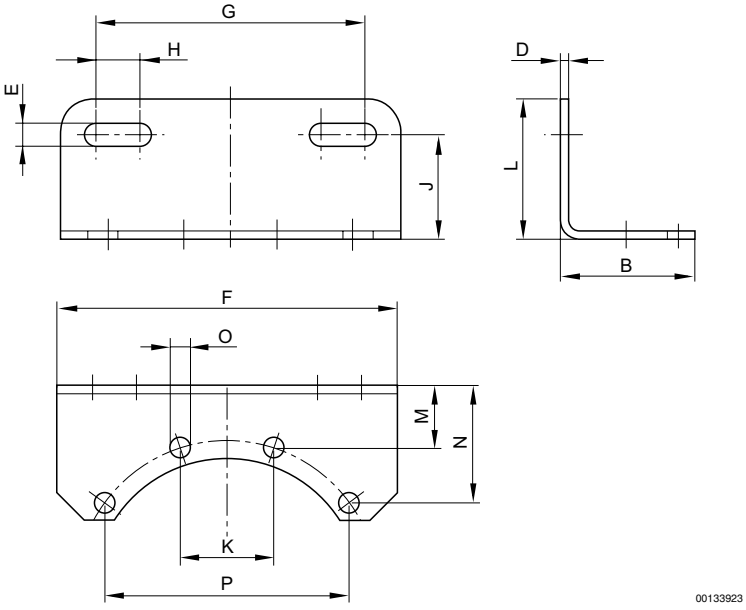
| Part No. | A | B | C | D | E | F | G | H | J | K | Material |
|---|---|---|---|---|---|---|---|---|---|---|---|
| R412004874 | 65 | 45 | 45 | 3 | M6 | 7 | 50 | 5.5 | 8 | 13 | Steel |

| Part No. | Surface | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R412004874 | galvanized | | | | | | | | | | | |

# Series MU1
**Accessories**

## Mounting bracket
**► for MU1**

00129850



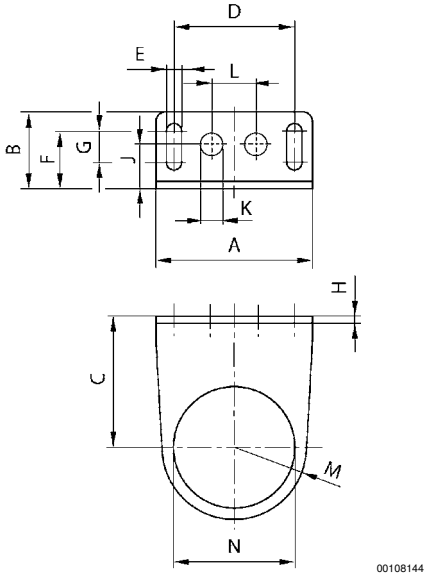

00133923

| Part No. | B | D | E | F | G | H | J | K | L | M | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412004873** | 49 | 3 | 84 | 124 | 98 | 16 | 38 | 34 | 51 | 22.9 | 42.7 | 7.4 |

| Part No. | P | Material | Surface | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412004873** | 89 | Steel | galvanized | | | | | | | | |

## Mounting bracket
**► NL1/NL2-MBR-...-W02**

00106891




00108144

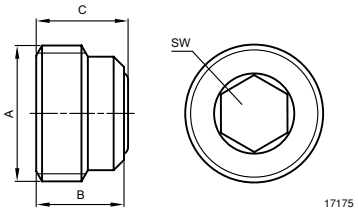
## Series MU1
**Accessories**

| Part No. | A | B | C | D | E | F | G | H | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1821331013** | 48 | 27 | 43.5 | 38 | 5.4 | 18.5 | 8 | 3 | – | – | – | 20 |

| Part No. | N | Material | Surface | Weight [kg] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1821331013** | 30.5 | Steel | galvanized | 0.065 | | | | | | |

## plugs

18417



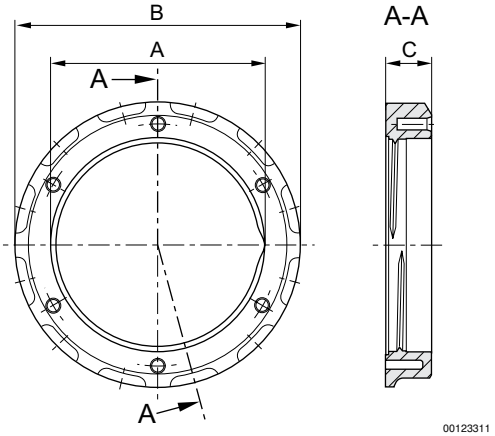

17175

| Part No. | Type | A | B | C | SW | Material |
|---|---|---|---|---|---|---|
| **R412010124** | plugs | G 1/4 | 8.9 | 8.5 | 6 | Polyamide |

| Part No. | Material Seal | Delivery quantity [Piece] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412010124** | Acrylonitrile Butadiene Rubber | 10 | | | | | | | | | |

## Panel nut, Series NL2-W06

00124065




00123311

material: polyamide

## Series MU1
**Accessories**

| Part No. | usage<br>Series | A | B | C | Material | Delivery quantity [Piece] | Weight [kg] | |
|---|---|---|---|---|---|---|---|---|
| **1829234070** | NL2 | M30x1,5 | 35 | 5.5 | Brass | 5 | 0.013 | |

## Pressure gauge, Series PG1-SAS
**► Front port ► Background color: Black ► Scale color: White / Grey ► Viewing window: Polystyrene ► Units: bar / psi ► suitable for ATEX**

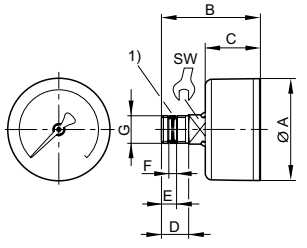

00123444

| | |
|---|---|
| Version | Bourdon tube pressure gauge |
| Standardization | EN 837-1 |
| Main scale unit (outside) | bar |
| Secondary scale unit (inside) | psi |
| Ambient temperature min./max. | -40 °C / +60 °C |
| Medium | Compressed air |
| Pointer color | White |
| Main scale color (outside) | White |
| Secondary scale color (inside) | Grey |
| Class | 2,5 |
| | |
| Materials: | |
| Housing | Acrylonitrile butadiene styrene |
| Thread | Brass |
| Viewing window | Polystyrene |
| Seal | Polytetrafluorethylene |

# Series MU1
## Accessories

| | Compressed air connection | Nominal diameter | Application | Display range | Operating pressure | Scale value | Weight | Part No. |
|---|---|---|---|---|---|---|---|---|
| | | [mm] | [bar] | [bar] | [bar] | | [kg] | |
|  | G 1/8 | 40 | 0 - 1.2 | 0 - 1.6 | 0 / 1.6 | 0.05 | 0.08 | **R412003853** |
| | G 1/8 | 40 | 0 - 2 | 0 - 2.5 | 0 / 2.5 | 0.1 | 0.08 | **R412003854** |
| | G 1/8 | 40 | 0 - 3.2 | 0 - 4 | 0 / 4 | 0.1 | 0.08 | **R412003855** |
| | G 1/8 | 40 | 0 - 4 | 0 - 6 | 0 / 6 | 0.2 | 0.08 | **R412003856** |
| | G 1/8 | 40 | 0 - 8 | 0 - 10 | 0 / 10 | 0.2 | 0.08 | **R412003857** |
| | G 1/8 | 40 | 0 - 12 | 0 - 16 | 0 / 16 | 0.5 | 0.08 | **R412003858** |
| | G 1/4 | 40 | 0 - 1.2 | 0 - 1.6 | 0 / 1.6 | 0.05 | 0.08 | **R412004407** |
| | G 1/4 | 40 | 0 - 2 | 0 - 2.5 | 0 / 2.5 | 0.1 | 0.08 | **R412004408** |
| | G 1/4 | 40 | 0 - 3.2 | 0 - 4 | 0 / 4 | 0.1 | 0.08 | **R412004409** |
| | G 1/4 | 40 | 0 - 4 | 0 - 6 | 0 / 6 | 0.2 | 0.08 | **R412004410** |
| | G 1/4 | 40 | 0 - 8 | 0 - 10 | 0 / 10 | 0.2 | 0.08 | **R412004411** |
| | G 1/4 | 40 | 0 - 12 | 0 - 16 | 0 / 16 | 0.5 | 0.08 | **R412004412** |
| | G 1/4 | 50 | 0 - 1.2 | 0 - 1.6 | 0 / 1.6 | 0.05 | 0.09 | **R412004413** |
| | G 1/4 | 50 | 0 - 2 | 0 - 2.5 | 0 / 2.5 | 0.1 | 0.09 | **R412004414** |
| | G 1/4 | 50 | 0 - 3.2 | 0 - 4 | 0 / 4 | 0.1 | 0.09 | **R412004415** |
| | G 1/4 | 50 | 0 - 4 | 0 - 6 | 0 / 6 | 0.2 | 0.09 | **R412004416** |
| | G 1/4 | 50 | 0 - 8 | 0 - 10 | 0 / 10 | 0.2 | 0.09 | **R412004417** |
| | G 1/4 | 50 | 0 - 12 | 0 - 16 | 0 / 16 | 0.5 | 0.09 | **R412004418** |
| | G 1/4 | 50 | 0 - 20 | 0 - 25 | 0 / 25 | 1 | 0.09 | **R412007898** |
| | G 1/4 | 63 | 0 - 1.2 | 0 - 1.6 | 0 / 1.6 | 0.05 | 0.1 | R412004419 |
| | G 1/4 | 63 | 0 - 2 | 0 - 2.5 | 0 / 2.5 | 0.1 | 0.1 | R412004420 |
| | G 1/4 | 63 | 0 - 3.2 | 0 - 4 | 0 / 4 | 0.1 | 0.1 | **R412004421** |
| | G 1/4 | 63 | 0 - 4 | 0 - 6 | 0 / 6 | 0.2 | 0.1 | **R412004422** |
| | G 1/4 | 63 | 0 - 8 | 0 - 10 | 0 / 10 | 0.2 | 0.1 | **R412004423** |
| | G 1/4 | 63 | 0 - 12 | 0 - 16 | 0 / 16 | 0.5 | 0.1 | **R412004424** |

### Dimensions




00119457

| Compressed air connection G | Nominal diameter | Ø A | B | C | D | E | F 1) | SW | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 40 | 39 | 44.5 | 26.5 | 10 | 5.6 | 2.1 | 14 | | | | |
| G 1/4 | 40 | 39 | 47.5 | 26.5 | 13 | 7.2 | 3.7 | 14 | | | | |
| G 1/4 | 50 | 49 | 47.5 | 26.5 | 13 | 7.2 | 3.7 | 14 | | | | |
| G 1/4 | 63 | 62 | 47 | 29 | 13 | 7.2 | 3.7 | 14 | | | | |

1) Gasket thread

## Series MU1
**Accessories**

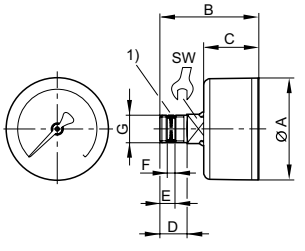
## Pressure gauge, Series PG1-SAS-ADJ
**► Front port ► with adjustable work area display ► Background color: Black ► Scale color: White / Grey ► Viewing window: Polystyrene ► Units: bar / psi ► suitable for ATEX**


00131412

| | |
|---|---|
| Version | Bourdon tube pressure gauge |
| Standardization | EN 837-1 |
| Main scale unit (outside) | bar |
| Secondary scale unit (inside) | psi |
| Ambient temperature min./max. | -40°C / +60°C |
| Medium | Compressed air |
| Work area | adjustable work area display |
| Pointer color | White |
| Main scale color (outside) | White |
| Secondary scale color (inside) | Grey |
| Work Area Display, Color | Red / Green |
| Class | 2,5 |
| | |
| Materials: | |
| Housing | Acrylonitrile butadiene styrene |
| Thread | Brass |
| Viewing window | Polystyrene |
| Seal | Polytetrafluorethylene |

| | Compressed air connection | Nominal diameter | Application | Display range | Operating pressure | Scale value | Weight | Part No. |
|---|---|---|---|---|---|---|---|---|
| | | [mm] | [bar] | [bar] | [bar] | | [kg] | |
|  | G 1/4 | 50 | 0 - 1.2 | 0 - 1.6 | 0 / 1.6 | 0.05 | 0.1 | **R412007867** |
| | | | 0 - 2 | 0 - 2.5 | 0 / 2.5 | 0.1 | | **R412007868** |
| | | | 0 - 3.2 | 0 - 4 | 0 / 4 | 0.1 | | **R412007869** |
| | | | 0 - 4 | 0 - 6 | 0 / 6 | 0.2 | | **R412007870** |
| | | | 0 - 8 | 0 - 10 | 0 / 10 | 0.2 | | **R412007871** |
| | | | 0 - 12 | 0 - 16 | 0 / 16 | 0.5 | | **R412007872** |

### Dimensions




00119457

1) Gasket thread

| Compressed air connection G | Nominal diameter | Ø A | B | C | D | E | F | SW | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 50 | 49 | 47.5 | 26.5 | 13 | 7.2 | 3.7 | 14 | | | | |

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Rexroth
Bosch Group

Rexroth Pneumatics GmbH
Ulmer Straße 4
D - 30880 Laatzen
Phone +49 511 2136 - 0
Fax +49 511 2136 - 2 69
info@rexrothpneumatics.com
www.rexrothpneumatics.com

Your contact:

further contacts:
www.rexrothpneumatics.com/en/contact

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