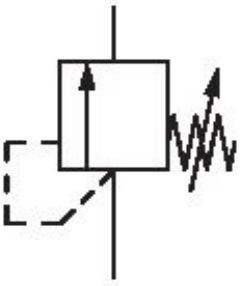
# Pressure relief valve, Series MU1

## R412007723

General series information
Series MU1

- The AVENTICS Series MU1 components are ideal for applications in harsh environments. They offer large thread connections to guarantee a high compressed air flow rate and provide reliable filtration, regulation and lubrication.





## Technical data

| | |
|---|---|
| Industry | Industrial |
| Parts | Pressure relief valve |
| Compressed air connection | G 1/4 |
| Compressed air connection input | G 1/4 |
| Compressed air connection output | G 1/4 |
| Working pressure min. | 0 bar |
| Working pressure max | 10 bar |
| Regulation range min. | 0.4 bar |
| Regulation range max. | 10 bar |
| Medium | Compressed air<br>Neutral gases |
| Max. particle size | 5 µm |

| | |
|---|---|
| Nominal flow Qn | 300 l/min |
| Weight | 0.12 kg |
| Housing material | Die cast zinc |
| Part No. | R412007723 |

## Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

Mounting with mounting bracket 1821331013

panel installation

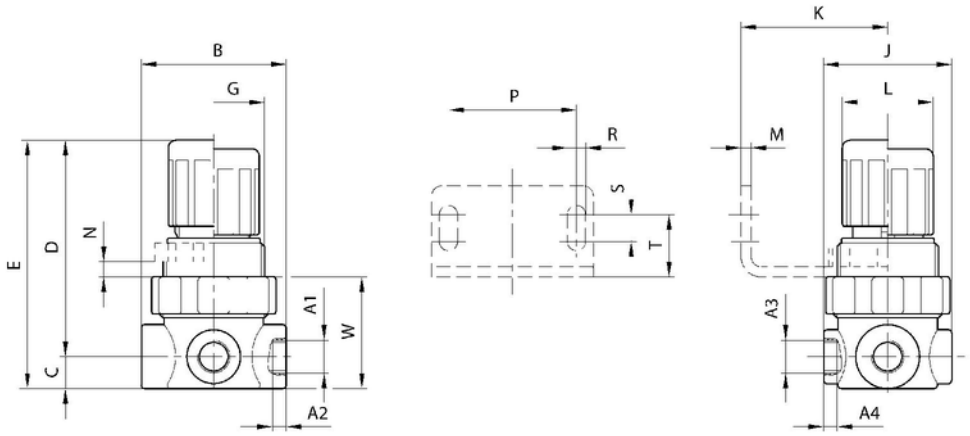
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in https://www.emerson.com/en-us/support).

## Dimensions

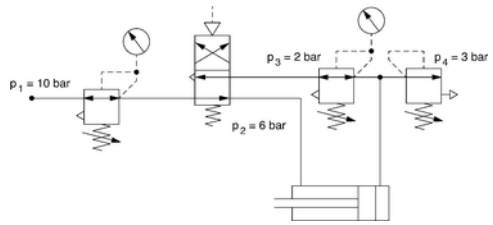



| Part No. | A1 | A2 | A3 | A4 | B | C | D | E | G |
|---|---|---|---|---|---|---|---|---|---|
| 0821302043 | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| 0821302044 | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| 0821302045 | G1/8 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| 0821302046 | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| 0821302031 | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| 0821302047 | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |
| R412007723 | G1/4 | 8 | G1/8 | 8 | 43 | 9.5 | 61 | 70.5 | M30x1.5 |

| Part No. | J | K | L | M | N | P | R | S | T |
|---|---|---|---|---|---|---|---|---|---|
| 0821302043 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| 0821302044 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| 0821302045 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| 0821302046 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| 0821302031 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| 0821302047 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |
| R412007723 | 38 | 40 | 27 | 3 | 5 | 38 | 5.4 | 8 | 18.5 |

| Part No. | W |
|---|---|
| 0821302043 | 33 |
| 0821302044 | 33 |
| 0821302045 | 33 |
| 0821302046 | 33 |
| 0821302031 | 33 |
| 0821302047 | 33 |
| R412007723 | 33 |

## Application example




adjustable opening pressure