

Pressure regulator cartridge with aluminum base body, series CR1-OX

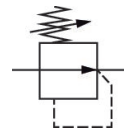
R414010006

Series CR1-
OX

2024-01-10

Series CR1-OX

Pressure regulator cartridge, Series CR1-OX.



Technical data

| | |
|--------------------------|---|
| Industry | Industrial |
| Type | Diaphragm-type valve |
| Regulator function | Without relieving exhaust |
| Mounting orientation | Any |
| Pressure supply | Cartridge with aluminum base body |
| Certificates | ASTM G-93 RoHS Conforms with REACH |
| Min. working pressure | 0.2 bar |
| Max. working pressure | 10 bar |
| Min. regulation range | 0.2 bar |
| Max. regulation range | 2 bar |
| Min. ambient temperature | -5 °C |
| Max. ambient temperature | 50 °C |
| Min. medium temperature | -5 °C |
| Max. medium temperature | 50 °C |
| Medium | Oxygen Compressed air Neutral gases |
| Nominal flow Qn | 250 l/min |

Pressure regulator cartridge with aluminum base body, series CR1-OX

Series CR1-
OX

2024-01-10

R414010006

| | |
|-----------------------|-------------------------|
| Weight | 0.1 kg |
| Housing material | Aluminum |
| Surface housing | anodized |
| Seal material | Fluorocarbon caoutchouc |
| Material guide insert | Polyphenylene sulfide |
| Material cartridge | Polyarylamide |
| Material valve guide | Polyphenylene sulfide |
| Material diaphragm | Fluorocarbon caoutchouc |
| Part No. | R414010006 |

Technical information

Oil and grease-free, non-volatile residue <33mg/m³

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.

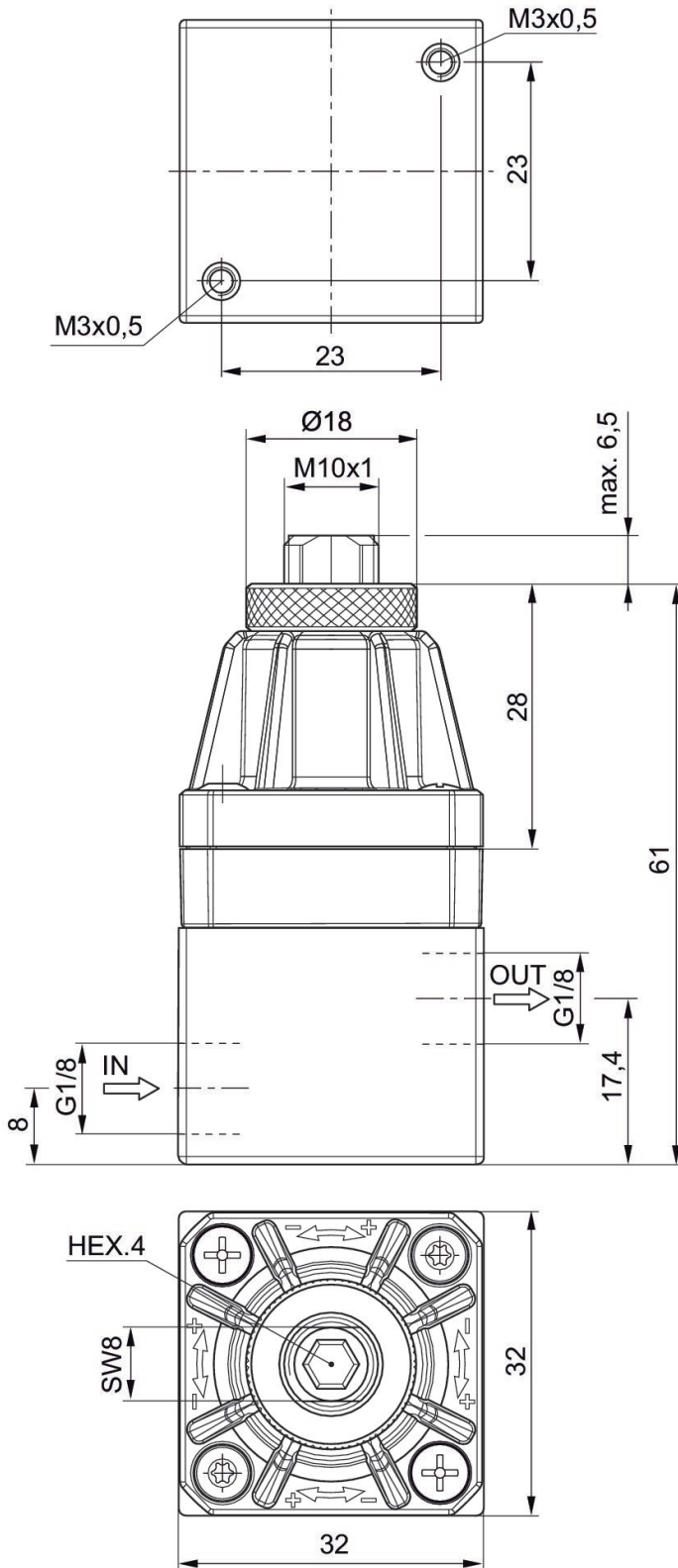
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Pressure regulator cartridge with aluminum base body, series CR1-OX

Series CR1-OX

2024-01-10

R414010006
Cartridge with aluminum base body



Pressure regulator cartridge with aluminum base body, series CR1-OX

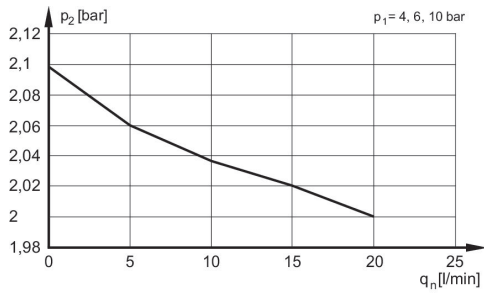
Series CR1-OX

2024-01-10

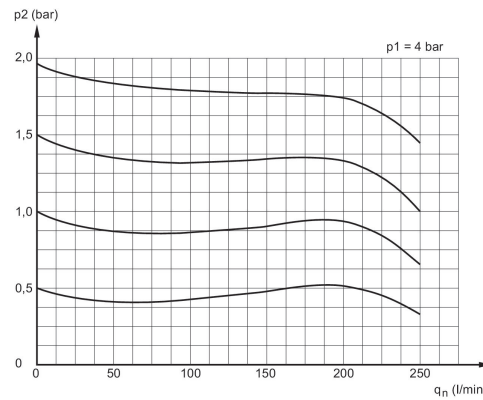
R414010006

Pressure characteristics curve

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow