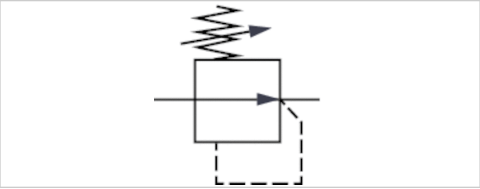
Series CR1-OX

AVENTICS™ Series CR1-OX

EMERSON.

Pressure regulator cartridge, series CR1-OX

- Suitable for oxygen and medical gases
- Qn = 250 l/min
- Diaphragm-type valve
- Cartridge Cartridge with aluminum base body



Version	Diaphragm-type valve
Pressure supply	Cartridge Cartridge with aluminum base body
Regulator function	Without relieving exhaust
Mounting orientation	Any
Certificates	ASTM G-93 RoHS Conforms with REACH
Working pressure min./max.	0.2 ... 10 bar
Adjustment range min./max.	0.2 ... 2 bar
Ambient temperature min./max.	-5 ... 50 °C
Medium temperature min./max.	-5 ... 50 °C
Medium	Oxygen Compressed air Neutral gases
Nominal flow Qn	250 l/min
Weight	See table below

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical data

Part No.	Version	Weight	Fig.
R414010005	Cartridge	0.05 kg	Fig. 1
R414010006	Cartridge with aluminum base body	0.1 kg	Fig. 2

Nominal flow Qn with secondary pressure p2 = 2 bar at Δp = 0.5 bar

Technical information

The pressure dew point must be at least 15 °C under 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 the MediaCentre).

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

Technical information

Base body	Aluminum, anodized
Guide insert	polyphenylene sulfide

Cartridge	Polyarylamide
Valve guide	polyphenylene sulfide
Diaphragm	Fluorocarbon caoutchouc
Seal	Fluorocarbon caoutchouc

Dimensions

Fig. 1, Cartridge

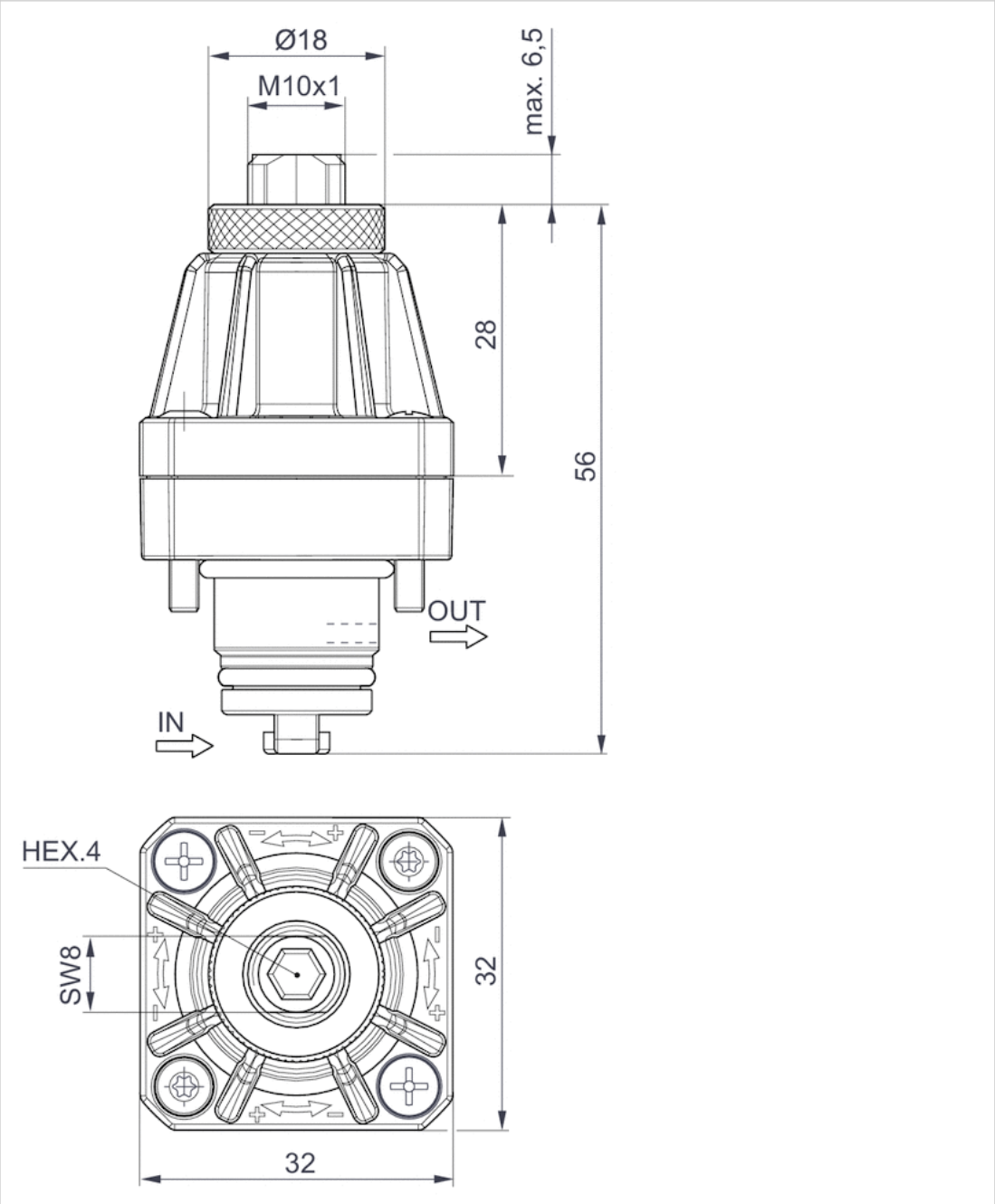
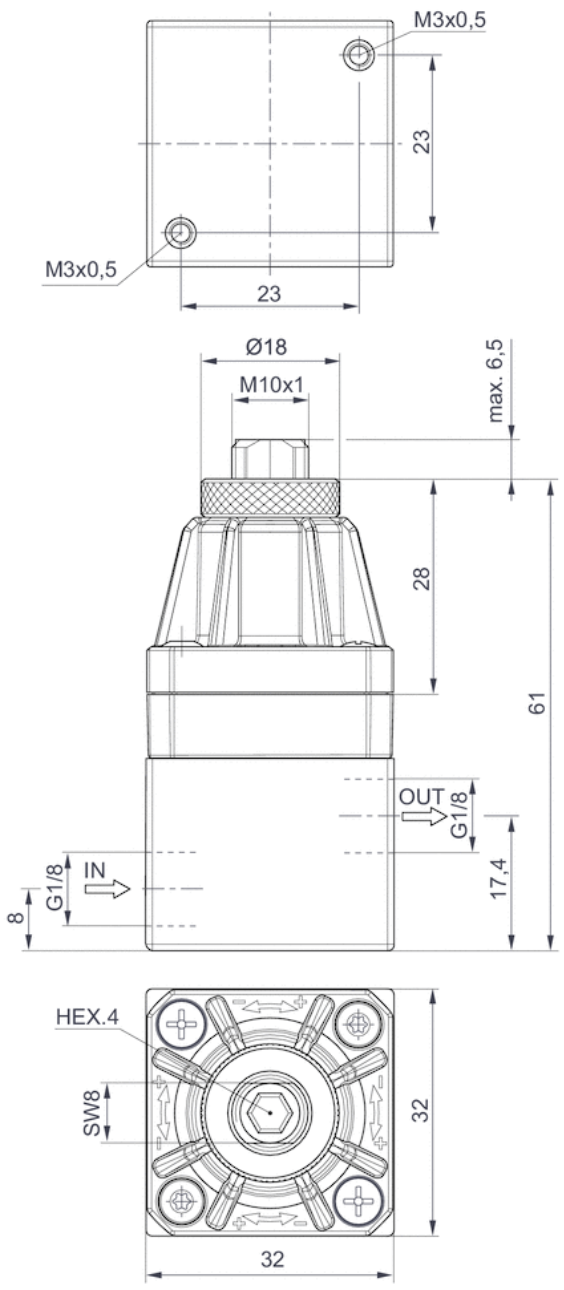
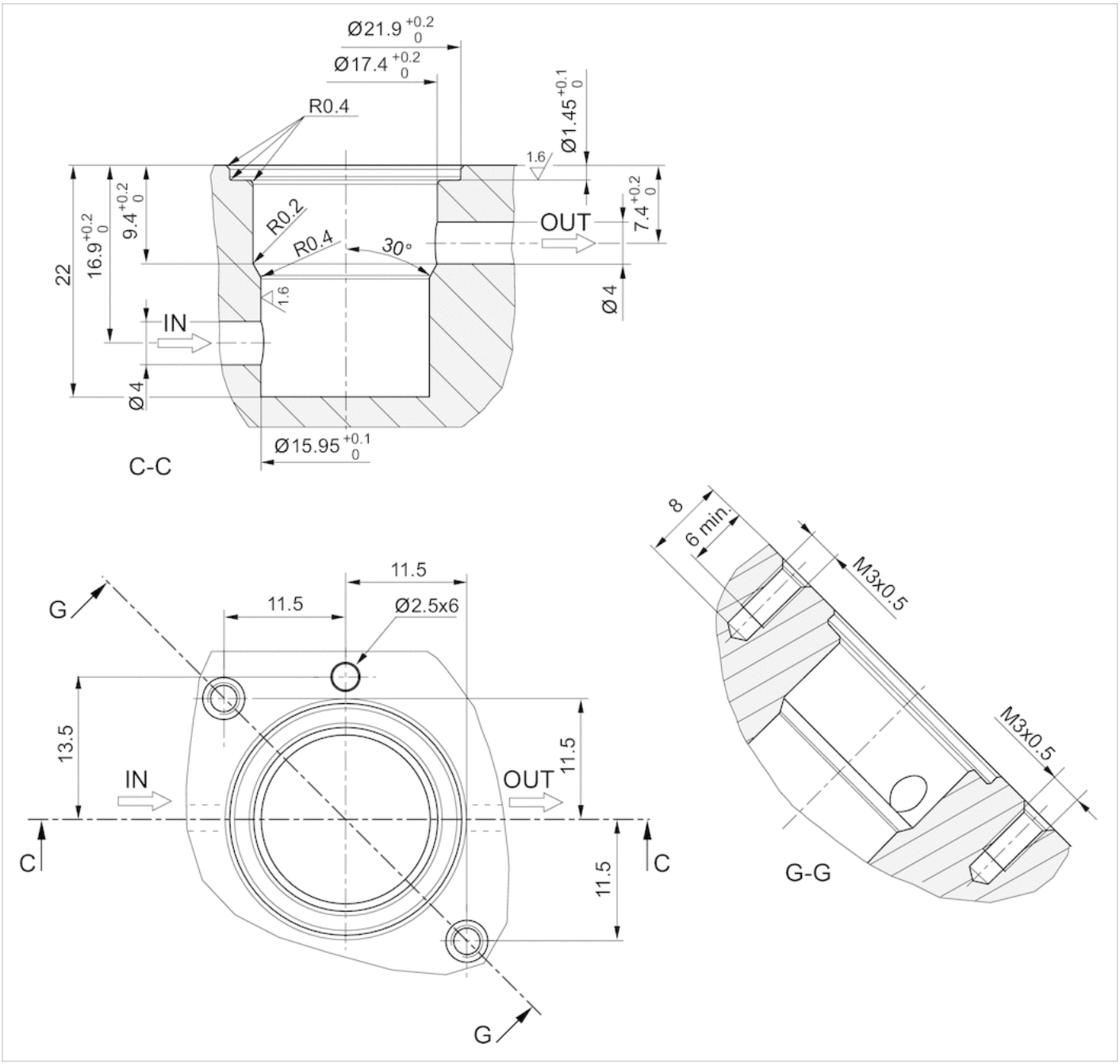


Fig. 2, Cartridge with aluminum base body

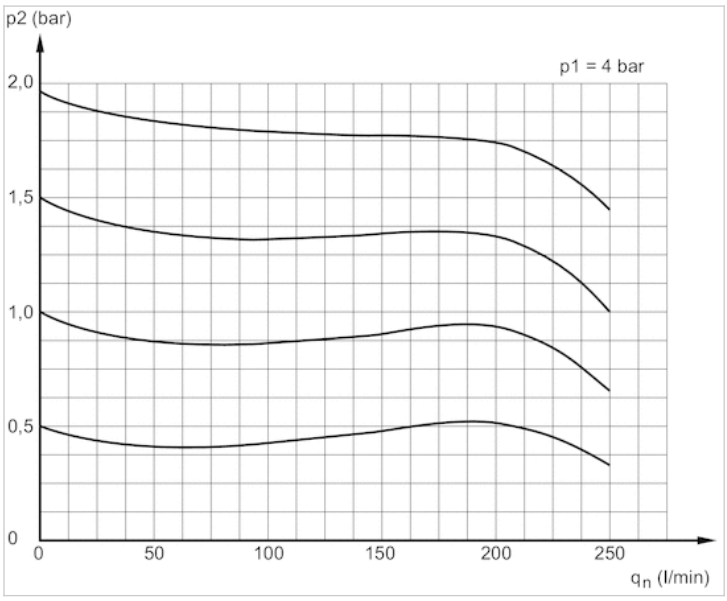


Mounting dimension



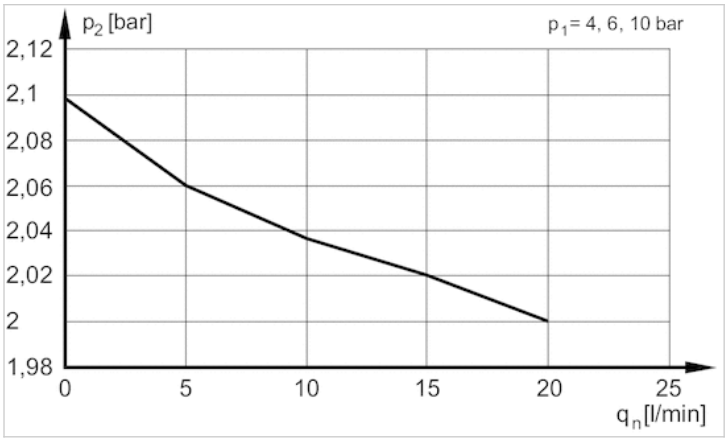
Diagrams

Flow rate characteristic



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

Pressure characteristics curve



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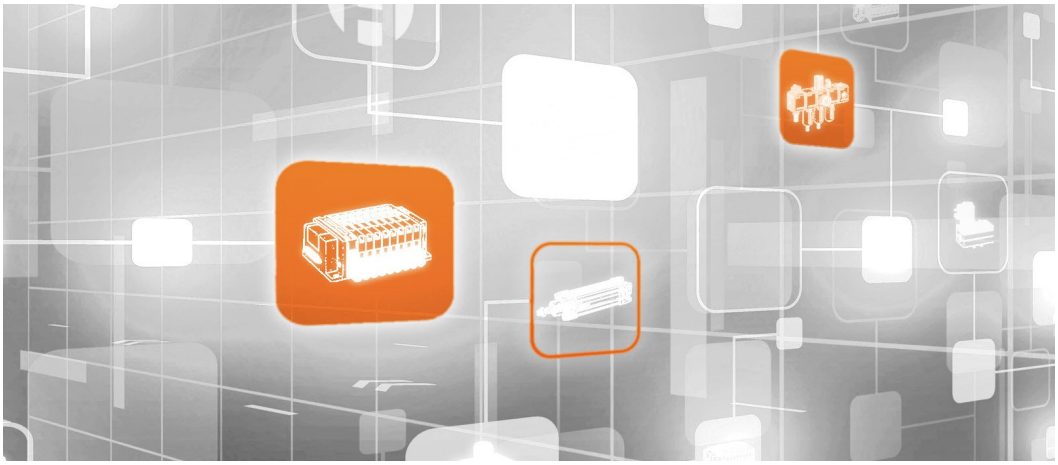

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