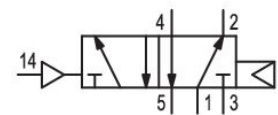


ISO 5599-1, size 2, series IS12

$Q_n = [1700 \dots 2500] \text{ l/min}$

- Q_n max. 2500 l/min
- Electrical control
- Pneumatic control
- Width: 42 mm, 56 mm



Technical data

Industry

Activation

Switching principle

Connection type

Nominal flow Q_n

Compressed air connection output

Min. working pressure

Max. working pressure

Sealing principle

Standards

Valve type

Version

Pilot

Blocking principle

Min. control pressure

Max. control pressure

Min. ambient temperature

Max. ambient temperature

Min. medium temperature

Industrial

Pneumatically

5/2, with air spring return

Plate connection

2500 l/min

Base plate ISO 5599-1

2 bar

10 bar

Soft seal

ISO 5599-1

Spool valve, positive overlapping

ISO 2

External

Single base plate principle

2 bar

10 bar

0 °C

80 °C

0 °C

Max. medium temperature	80 °C
Medium	Compressed air
Max. particle size	5 µm
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Compressed air connection	Base plate ISO 5599-1
Compressed air connection input	Base plate ISO 5599-1
Mounting screw	M6 with hexagon socket
Mounting screw tightening torque	4 Nm
Weight	0.48 kg
Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material, front cover	Polyamide
Part No.	0820225101

Technical information

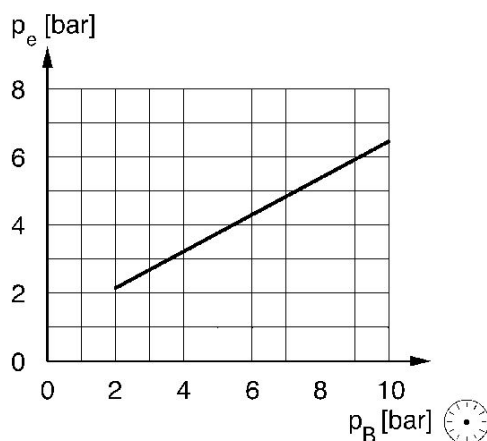
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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>).

External pilot pressure



p_e = external control pressure, min.
 p_B = Working pressure

5/2-directional valve, Series IS12, size 2

0820225101

Series IS12

2025-12-18

Dimensions

