



2/2 way Coaxial valve

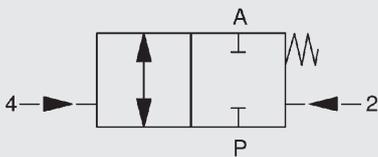
CXC pilot operated

Cartridge series

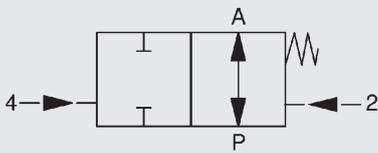
Model code
(also example order)

CXC - 2/2 - F / C - 6 / 15 / 200 / 012 - F / PV...

Switching function



NC (closed when de-energised)



NO (open when de-energised)

Designation

CXC = Cartridge series

Ways

2/2 = Number of ways

Control

F = External pilot

Switching function

C = NC – closed when de-energised

Housing material

6 = Aluminium

Nominal size

15 = DN 15

Pressure range

200 = >0–200 bar

Connection

000 = without valve body

034 = G $\frac{3}{4}$

038 = G $\frac{3}{8}$

Sealing material

F = FKM

Option*

PV ... = Pilot valve (... acc. to accessories)

Order data

- Nominal size
- Connection
- Function NC/NO
- Operating pressure
- Flow rate
- Medium
- Medium temperature
- Ambient temperature
- Supply voltage

! If order details or application data are inaccurate or incomplete, there is a risk that the technical configuration of the valves may not be correct for the desired use. This may result in the physical and/or chemical characteristics of the materials or seals used not being adequate for the intended use.

*for CXC without valve body

Technical data

Control	2/2-way cartridge valve, pilot operated	
Nominal size	DN 15	
Pressure range (see table)	PN 0 to PN 200	
Connections (see table)	G $\frac{3}{8}$ to G $\frac{3}{4}$	
Housing material	Socket version:	Aluminium
	Cartridge version:	Brass, V2A
Seal material	Static:	FKM
	Dynamic:	FKM, PTFE
	Seat seal:	FKM
Back-pressure resistant	Up to max. 20 bar	
Vacuum	Leakage rate <10 ⁻⁶ mbar•l/s *	
Media	Gaseous, fluid, high-viscosity, gelatinous, paste-like	
Abrasive operating fluids	On request	
Flow direction	P → A max. 200 bar A → P max. 20 bar	
Temperature of medium	-10 °C to +100 °C	
Ambient temperature	-10 °C to +50 °C	
Actuating part	Double acting piston with return spring	
Mounting position	No orientation restrictions	

Pneumatic part (for pilot valve option)

Control	5/2-way pilot valve*
Porting pattern	Namur
Control pressure	NC: 4 to 8 bar NO: 3 to 8 bar
Air requirement	Approx. 7 cm ³ / stroke
Pilot ports 2+4	G $\frac{1}{8}$
Switching times	Open/close 50–1000 ms depending on control pressure, pilot valve* and meter-out control*
Switching function	NC – closed when de-energised

Electrical part (for pilot valve option)

Supply voltage	DC: 24 V AC: 230 V 50 Hz Special voltages on request
Electrical part	DC: DC linear solenoid AC: DC linear solenoid with integrated rectifier
Connection	Connector plug to industry standard Form B for AC operation with integrated rectifier
Voltage tolerance	+/- 10% to VDE 0580
Duty cycle	100% duty cycle
Protection class	IP 65 when connector plug is fitted

 The material specifications refer exclusively to the valve connection parts in contact with the medium. *optional

Series	DN [mm]	Pressure [bar]	Connection	Kv value [m ³ /h]	Weight [kg]	
					Cartridge version	Socket version
CXC	15	0–200	G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$	6.0	1.0	1.5

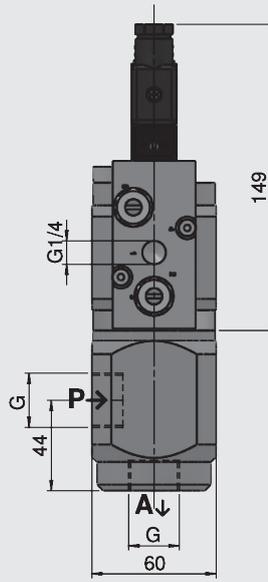
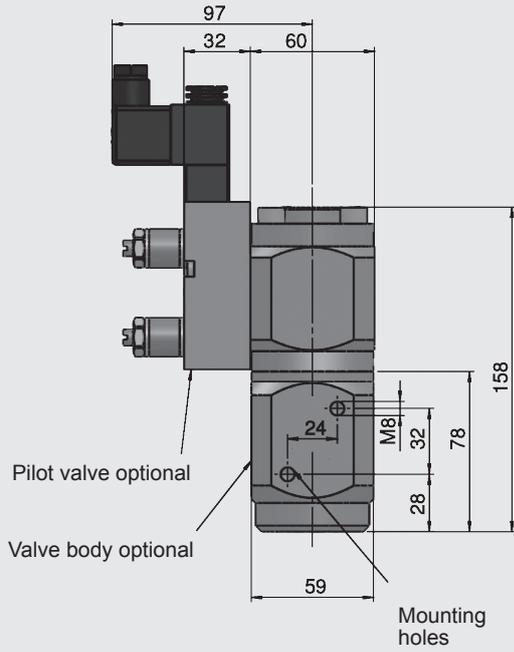
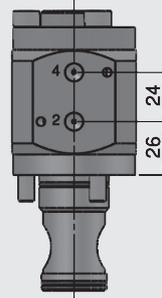
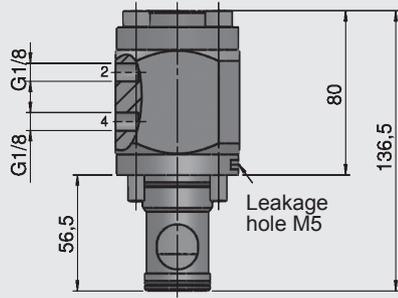
NOTICE: Inserting a maintenance unit upstream will increase the service life of the unit.

 The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

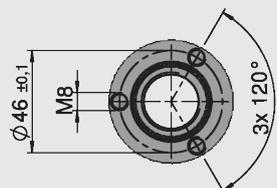
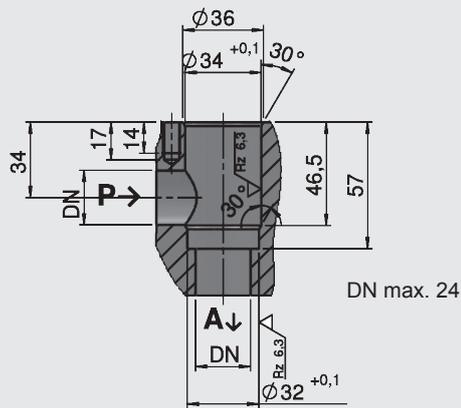
Dimensions

Closed when de-energised (NC)

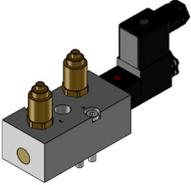
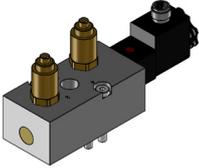
Open when de-energised (NO)



Drilling template for cartridge



Accessories

	<p>5/2-way pilot valve (NAMUR) for flange-mounting = PV</p>	<p>Connections on top 24V DC 230V 50Hz</p>
	<p>5/2-way pilot valve (NAMUR) for flange-mounting = PV</p>	<p>Connections on top Solenoid M12x1 24V DC 230V 50Hz</p>
	<p>Exhaust air throttle = DR</p>	<p>G$\frac{1}{8}$ G$\frac{1}{4}$</p>
	<p>Silencer in sintered bronze = SD</p>	<p>G$\frac{1}{8}$ G$\frac{1}{4}$</p>

We would be happy to discuss your requirements for further options and accessories

NOTICE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department.

The operator is always responsible for determining the product suitability for the specific application. Quantified values for product characteristics are average values for a new product that undergo a time deterioration process.

Subject to technical modifications and errors.

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