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...

Designation
CXC = cartridge series

Ways
2/2 = number of ways

Control
F = external pilot

Switching function
C = NC – closed when de-energised

Body material
6 = aluminium

Nominal size
15 = DN 15

Pressure range
200 = > 0 - 200 bar

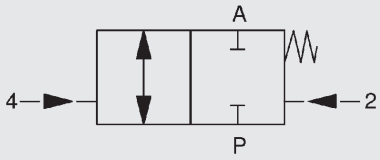
Connection
000 = without valve body
034 = G¾
038 = G⅜

Sealing material
F = FKM

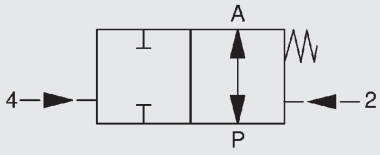
Option*
PV ... = pilot valve (... acc. to accessories)

*for CXC without valve body

Switching function



NC (closed when de-energised)



NO (open when de-energised)

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.

Technical specifications

Control	2/2-way cartridge valve, pilot operated
Nominal size	DN 15
Pressure range (see table)	PN 0 to PN 200
Connections (see table)	G⅜ to G¾
Body material	Socket version: Aluminium Cartridge version: Brass, V2A
Seal material	Static: FKM Dynamic: FKM, PTFE Seat seal: PTFE
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*
Mounting 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	G⅛
Switching times	Open/close 50–1000 ms depending on control pressure, pilot valve* and exhaust air throttle*
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

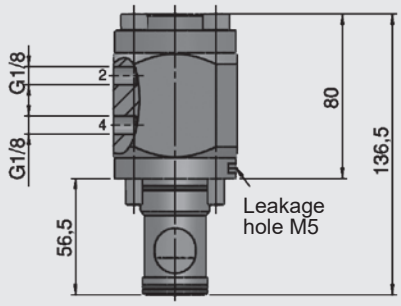
Series	**DN** [mm]	**Pressure** [bar]	**Connection**	**Kv value** [m³/h]	**Weight** [kg]	
					Cartridge version	Socket version
CXC	15	0 – 200	G⅜, G½, G¾	6.0	1.0	1.5

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

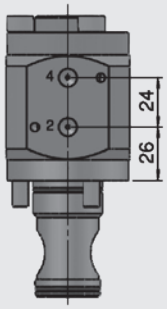
⚠ The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

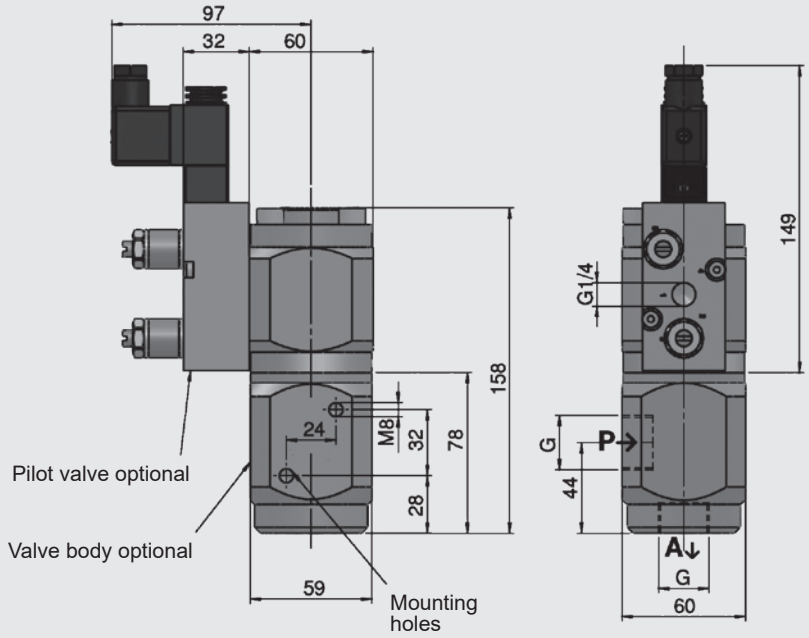
Dimensions

Closed when de-energised (NC)

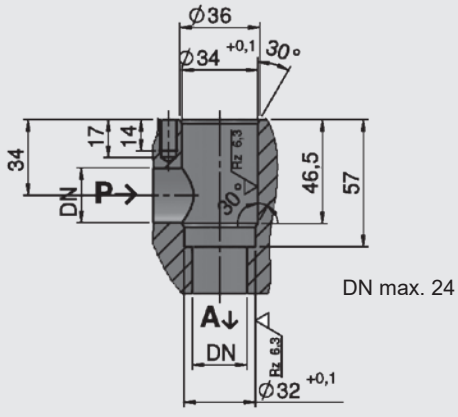


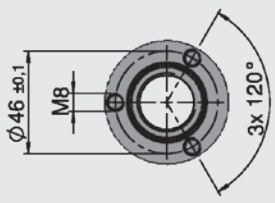
Open when de-energised (NO)



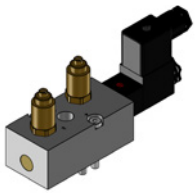
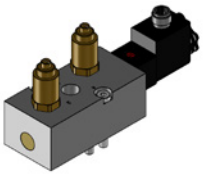


Drilling template for cartridge





Accessories

	**5/2-way pilot valve** (NAMUR) **for flange-mounting = PV**	Connections on top 24V DC 230V 50Hz
	**5/2-way pilot valve** (NAMUR) **for flange-mounting = PV**	Connections on top Solenoid M12x1 24V DC 230V 50Hz
	**Exhaust air throttle = DR**	G⅛ G¼
	**Silencer in sintered bronze = SD**	G⅛ G¼

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

NOTE

The information in this brochure relates to the operating conditions and applications described. For applications and 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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