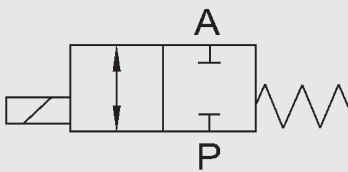


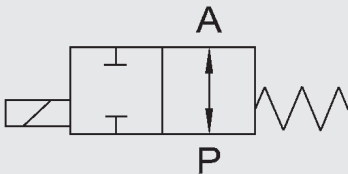
2/2-way Coaxial Valve

CXH direct acting
High-pressure valve

Switching function



NC (closed when de-energised)



NO (open when de-energised)

Order data

- Nominal size
- Connection
- NC / NO function
- Operating pressure
- Flow rate
- Media
- Temperature of medium
- 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.

Model code
(also example order)

CX H1 2/2 D C 6 06 010 038 24 V ...

Designation

CXH1 = CXH1 series
CXH2 = CXH2 series

Ways

2/2 = Number of ways

Control

D = Direct

Switching function

C = NC - closed when de-energised
O = NO - open when de-energised

Housing material

6 = Zinc-plated steel
7 = Nickel-plated steel

Valve sizes

01 = DN 1
02 = DN 2
025 = DN 2.5
03 = DN 3
04 = DN 4
05 = DN 5
06 = DN 6

Pressure range

010 = >0 - 10 bar
016 = >0 - 16 bar
020 = >0 - 20 bar
030 = >0 - 30 bar
040 = >0 - 40 bar
060 = >0 - 60 bar
090 = >0 - 90 bar
100 = >0 - 100 bar
135 = >0 - 135 bar
270 = >0 - 270 bar
030 = >0 - 300 bar

Connection

018 = G $\frac{1}{8}$
014 = G $\frac{1}{4}$
038 = G $\frac{3}{8}$

Supply voltage

24V = 24 V DC
230V = 230 V AC 40 - 60Hz

Options

See accessories


*optional

Technical data


Control	2/2 way valve, direct acting
Nominal size	DN 01 to DN 06
Pressure range (see table)	CXH1 - 2/2 DN 02 to DN 06 PN 0 to PN 100 CXH2 - 2/2 DN 01 to DN 06 PN 0 to PN 300
Connections (see table)	Female threaded connection
Housing material	Zinc-plated steel, nickel-plated steel
Seal material	Static: FKM Seat seal: PTFE
Back-pressure resistant	See table
Vacuum	Leakage rate <10 ⁻⁶ mbar•l/s *
Media	Gaseous, liquid
Flow direction P → A	CXH1 max. 100 bar CXH2 max. 300 bar
Temperature of medium	-10 °C to +100 °C
Ambient temperature	-10 °C to +50 °C
Mounting position	No orientation restrictions

Electrical part

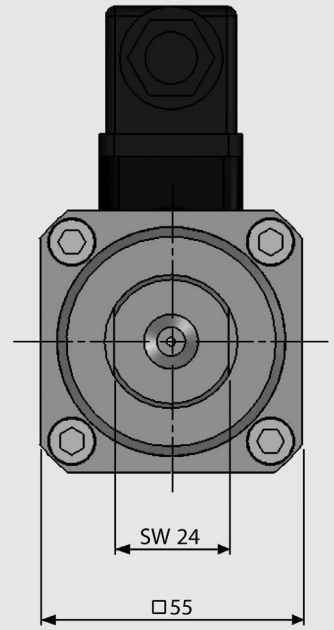
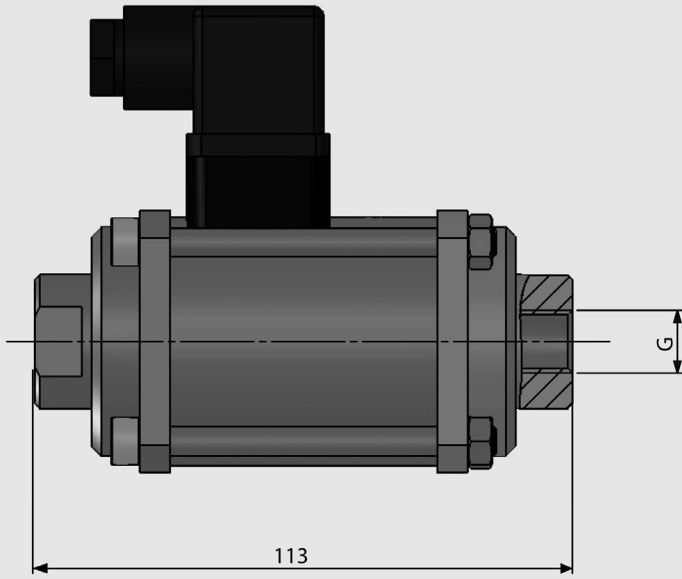
Supply voltage	DC: 24 V AC: 230 V 50 Hz Special voltages on request
Electrical part	DC: DC solenoid AC: DC solenoid with integrated rectifier
Connection	Female connector DIN EN 175301-803, Form A, for AC operation with integrated rectifier
Voltage tolerance	+ / - 10% to VDE 0580
Duty cycle	100%
IP class	IP 65 when connector is fitted

 The material specification refers exclusively to the valve connection parts in contact with the medium. *optional

Series	DN [mm]	Pressure [bar]		Back pressure A → P [bar]	Connection	Kv value [l/min]	Power consumption [W]		Weight [kg]
		NC	NO				24 DC	230 V 50 Hz	
CXH1	2	0 - 100	0 - 100	100	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	2.5	35	41	1.7
	3	0 - 40	0 - 80	70	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	3.7	35	41	1.7
	4	0 - 20	0 - 40	34	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	6.5	35	41	1.7
	5	0 - 16	0 - 30	25	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	8.0	35	41	1.7
	6	0 - 10	0 - 18	15	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	9.5	35	41	1.7
CXH2	1	0 - 300	0 - 300	100	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	0.7	58	55	4.0
	2	0 - 300	0 - 300	50	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	1.9	58	55	4.0
	2.5	0 - 300	0 - 220	30	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	2.7	58	55	4.0
	3	0 - 270	0 - 150	24	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	4.6	58	55	4.0
	4	0 - 135	0 - 90	9	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	7.3	58	55	4.0
	5	0 - 90	0 - 60	3	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	8.2	58	55	4.0
	6	0 - 60	0 - 40	2	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	10.7	58	55	4.0

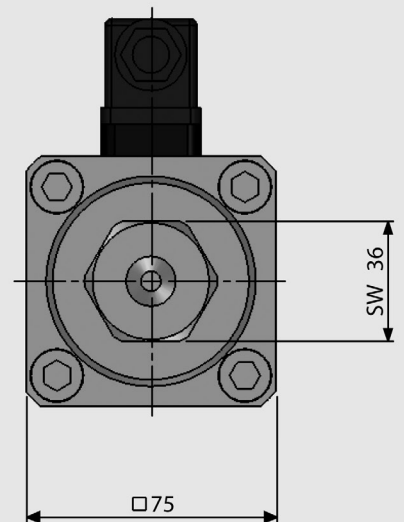
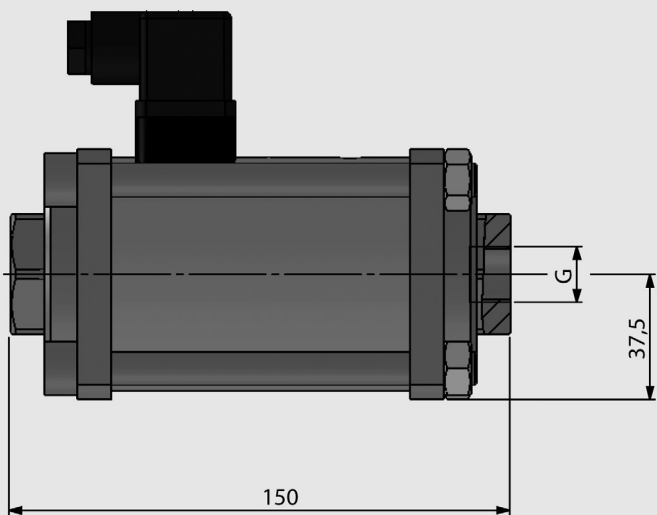
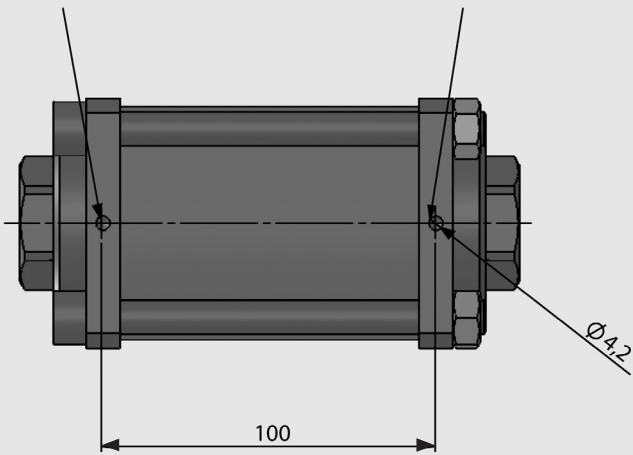
 The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

**Dimensions
CXH1**



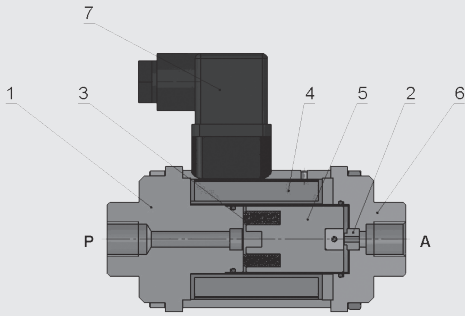
CXH2

Threaded holes for mounting bracket



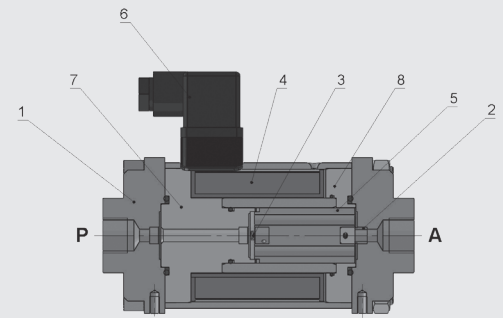
Sectional drawing

CXH1



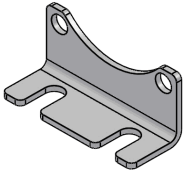
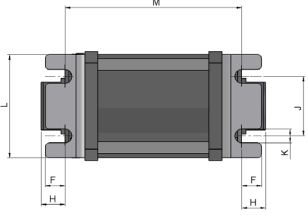
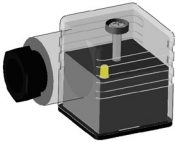
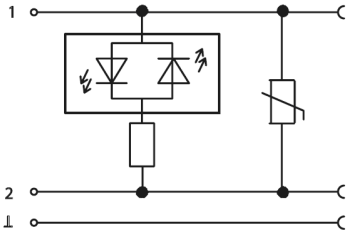
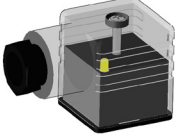
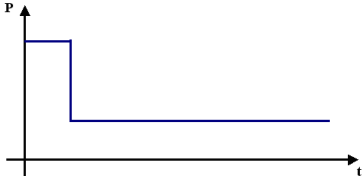
Item	Description	Qty.
1	Solenoid core	1
2	Orifice	1
3	Spring	2
4	Coil	1
5	Solenoid armature	1
6	Connection	1
7	Female connector	1

CXH2



Item	Description	Qty.
1	Connection	2
2	Orifice	1
3	Spring	2
4	Coil	1
5	Solenoid armature	1
6	Female connector	1
7	Solenoid core	1
8	Solenoid cap	1

Accessories

	<p>Mounting bracket mechanical option = HW</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>F</th> <th>H</th> <th>J</th> <th>K</th> <th>L</th> <th>M</th> </tr> <tr> <td></td> <td>[mm]</td> <td>[mm]</td> <td>[mm]</td> <td>[mm]</td> <td>[mm]</td> <td>[mm]</td> <td>[mm]</td> </tr> </thead> <tbody> <tr> <td>CXH1</td> <td>2-6</td> <td>10</td> <td>12</td> <td>30</td> <td>7</td> <td>52</td> <td>89</td> </tr> <tr> <td>CXH2</td> <td>1-6</td> <td>10.5</td> <td>-</td> <td>45</td> <td>7</td> <td>70</td> <td>139</td> </tr> </tbody> </table>	Type	DN	F	H	J	K	L	M		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	CXH1	2-6	10	12	30	7	52	89	CXH2	1-6	10.5	-	45	7	70	139	
Type	DN	F	H	J	K	L	M																											
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]																											
CXH1	2-6	10	12	30	7	52	89																											
CXH2	1-6	10.5	-	45	7	70	139																											
	<p>Female connector with LED electrical option = LED</p>																																	
	<p>Female connector with power reduction 24 V DC Form A electrical option = LS</p>																																	

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 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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