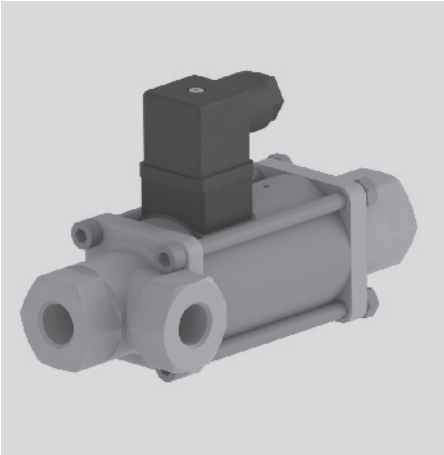
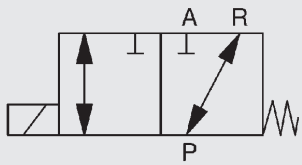
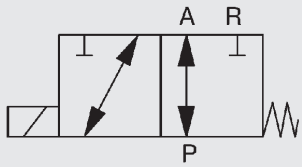


3/2-way coaxial valve
CX03 and CX04 direct acting

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.

Model code
(also example order)

CX04	3/2	D	C	2	10	064	014	24V

Designation
CX03 = series CX03
CX04 = series CX04

Ways
3/2 = number of ways

Control
D = direct

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

Body material
1 = free from non-ferrous metals*
2 = brass (standard)
3 = brass, nickel-plated*
4 = 1.4305*
5 = 1.4571*

Nominal size
10 = DN 10
15 = DN 15
20 = DN 20
25 = DN 25
32 = DN 32
40 = DN 40
50 = DN 50

Pressure range
040 = CX03 >0 - 40 bar
064 = CX04 >0 - 64 bar

Connection

014	=	G¼	- DN 10				
038	=	G⅜	- DN 10,	DN 15			
012	=	G½	- DN 10,	DN 15,	DN 20		
034	=	G¾	- DN 10*,	DN 15,	DN 20,	DN 25	
100	=	G1	-	DN 15*,	DN 20,	DN 25,	DN 32
114	=	G1¼	-		DN 20*,	DN 25,	DN 32
112	=	G1½	-			DN 25*,	DN 32, DN 40
200	=	G2	-				DN 50

Supply voltage
24 V = 24 V DC
230 V = 230 V AC 40-60 Hz
Special voltages on request

*optional

Technical specifications

Control	3/2-way valve, direct acting		
Nominal size	DN 10 to DN 50		
Pressure range (see table)	CX03 – 3/2 CX03 – 3/2 CX04 – 3/2	DN 10 - 32 DN 40 - 50 DN 10 - 32	PN 0 to PN 40 PN 0 to PN 16 PN 0 to PN 64
Connection (see table)	Female threaded connection		
Body material	Brass, nickel-coated brass, 1.4305, 1.4571		
Valve seat (plastic on metal)	FKM		
Material of seals	static: dynamic:	FKM PTFE	
Back-pressure resistant	Up to 16 bar		
Vacuum	Leakage rate <10^{-6} mbar•l/s *		
Media	Gaseous, liquid, contaminated		
Abrasive operating fluids	On request		
Direction of flow	CX03 CX04	P → A max. 40 bar P → R max. 40 bar P → A max. 64 bar P → R max. 64 bar	A → P max. 16 bar R → P max. 16 bar A → P max. 16 bar R → P max. 16 bar
Temperature of medium	-10 °C to +100 °C		
Ambient temperature	-10 °C to +50 °C		
Mounting position	No orientation restrictions		
Limit switch	Inductive*		
Fixing	Mounting bracket*		

Electrical part

Supply voltage	DC: 24 V AC: 230 V 40-60 Hz
Electrical part	DC: DC magnet AC: DC magnet with integrated rectifier
Connection	Connector plug to DIN EN 175301-803 type A Connector plug to DESINA M12x1 * illuminated plug with varistor *
Voltage tolerance	±10 % to VDE 0580
Duty cycle	100 % duty cycle
Protection class	IP 65 when fitted with connector plug

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

*optional

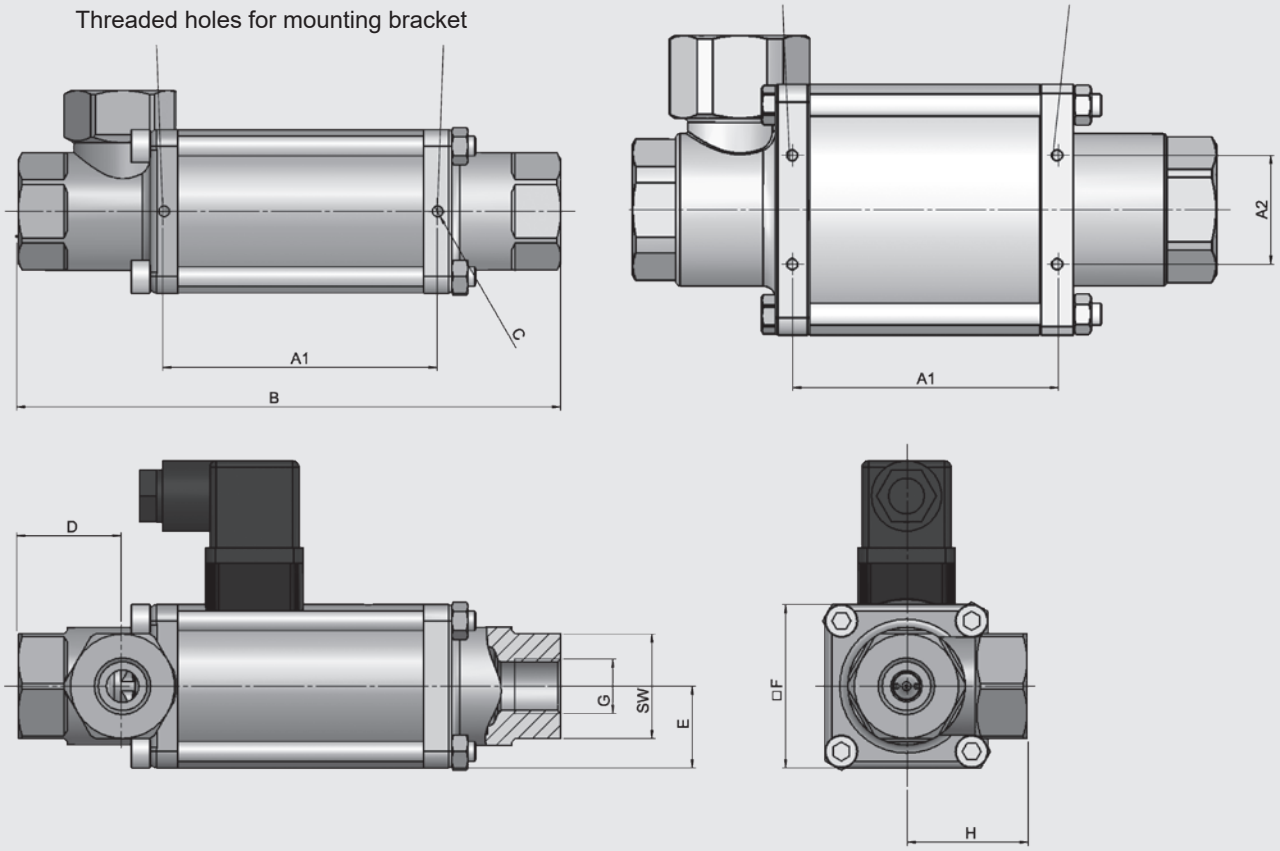
⚠ The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

Series	DN [mm]	Pressure [bar]	Connection	Kv value [m³/h]	Power consumption [W] 24 V DC	Power consumption [W] 230 V 50 Hz	Weight [kg]
CX03	10	0 - 40	G¼, G⅜, G½	2.0	35	41	1.9
	15	0 - 40	G⅜, G½, G¾	5.6	40	45	4.0
	20	0 - 40	G½, G¾, G1	8.0	45	53	6.0
	25	0 - 40	G¾, G1, G1¼	11.5	60	68	7.5
	32	0 - 40	G1, G1¼, G1½	17.9	73	76	13.4
	40	0 - 16	G1½	41.5	73	90	18.7
	50	0 - 16	G2	43.0	73	90	18.5
CX04	10	0 - 64	G¼, G⅜, G½	2.0	44	53	1.9
	15	0 - 64	G⅜, G½, G¾	5.6	50	55	4.0
	20	0 - 64	G½, G¾, G1	8.0	53	59	6.0
	25	0 - 64	G¾, G1, G1¼	11.5	77	85	7.5
	32	0 - 64	G1, G1¼, G1½	17.9	73	76	13.4

Dimensions

DN10 - DN25
Threaded holes for mounting bracket

DN32 - DN50
Threaded holes for mounting bracket

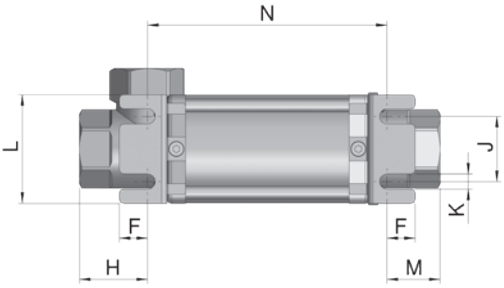


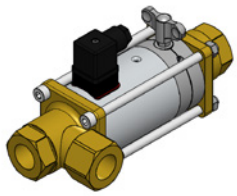
DN	Connection	SW (AF width)	A1 [mm]	A2 [mm]	B [mm]	C	D [mm]	E [mm]	F [mm]	H [mm]
10	G¼, G⅜, G½	32	84	–	166.5	M4	32	25	50	37
15	G⅜, G½, G¾	41	100	–	200	M5	38.5	35	70	60
20	G½, G¾, G1	46	108	–	228	M5	45.5	40	80	72
25	G¾, G1, G1¼	55	121	–	252	M5	48	45	90	80
32	G1, G1¼, G1½	60	122	50	269	M6	49.5	57.5	115	80
40	G1½	75	131	60	304	M6	56.5	65	130	84
50	G2	75	131	60	304	M6	56.5	65	130	84

Accessories

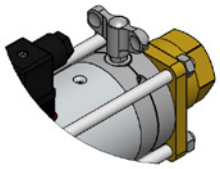
Mounting bracket
mechanical option = **HW**

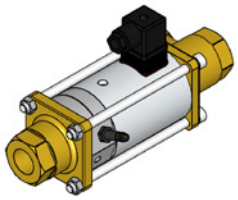
DN	F [mm]	H [mm]	J [mm]	K [mm]	L [mm]	M [mm]
10	10	30.5	30	7	50	113
15	10.5	38.5	45	7	70	139
20	15.3	46.5	50	7	80	149
25	16	40	60	8.5	90	178
32	6	37	78	6.5	115	195
40	6	40	98	6.5	130	224
50	6	40	98	6.5	130	224



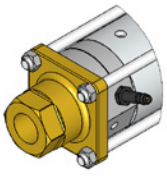


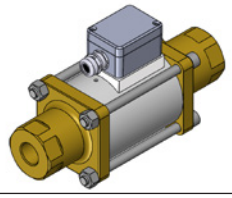
Manual override
mechanical option = **HT**



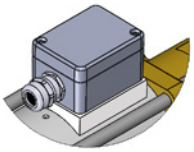


Position indicator, inductive
electrical option = **1I** (open or closed)
electrical option = **2I** (open and closed)

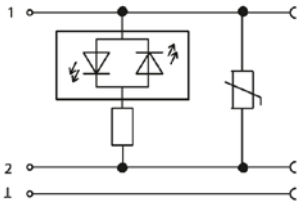




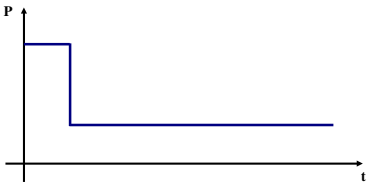
Terminal box
Protection class: IP 65
PG11-screw connection
electrical option = **PG**

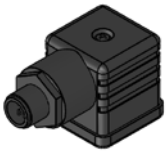


Female connector with LED
electrical option = **LED**



Female connector with power reduction
24 V DC
Form A
electrical option = **LS**





Female connector M12x1
electrical option = **M12**

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.

HYDAC Accessories GmbH
Hirschbachstr. 2
66280 Sulzbach/Saar
Tel.: +49 (0)6897 - 509-01
Fax: +49 (0)6897 - 509-1009
Internet: www.hydac.com
E-Mail: accessories@hydac.com