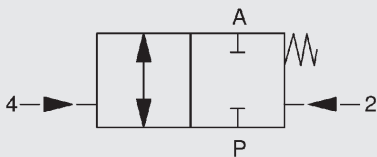


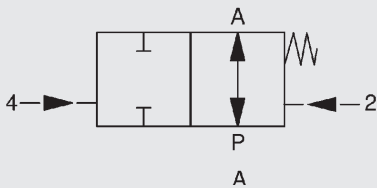
2/2 Way Coaxial Valve

CX06 to CX09 pilot operated

Switching function



NC (normally closed)



NO (normally open)

Order data

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

Model code

(also example order)

CX06 2/2 F C 2 10 064 100 PV

Type

- CX06 = CX06 series
- CX07 = CX07 series
- CX08 = CX08 series
- CX09 = CX09 series

Ways

- 2/2 = The number of ways

Control

- F = External pilot

Switching function

- C = NC - normally closed
- O = NO - normally open*

Body material

- 1 = Free from non-ferrous materials*
- 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

- 064 = CX06 > 0 - 64 bar
- 100 = CX07 > 0 - 100 bar
- 120 = CX07 > 0 - 120 bar
- 160 = CX08 > 0 - 160 bar
- 200 = CX09 > 0 - 200 bar

Connection

- 014 = G $\frac{1}{4}$ - DN 10
- 038 = G $\frac{3}{8}$ - DN 10, DN 15
- 012 = G $\frac{1}{2}$ - DN 10, DN 15, DN 20
- 034 = G $\frac{3}{4}$ - DN 15, DN 20, DN 25
- 100 = G1 - DN 20, DN 25, DN 32
- 114 = G1 $\frac{1}{4}$ - DN 25, DN 32
- 112 = G1 $\frac{1}{2}$ - DN 32, DN 40*
- 200 = G2 - DN 50*

Option

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

*optional

Technical specifications

Control	2/2 way valve, pilot operated		
Nominal size	DN 10 to DN 50		
Pressure range (see table)	CX06 – 2/2	DN 10 to DN 50	PN 0 to PN 64
	CX07 – 2/2	DN 10 to DN 25	PN 0 to PN120
	CX07 – 2/2	DN 32 to DN 50	PN 0 to PN100
	CX08 – 2/2	DN 10 to DN 25	PN 0 to PN160
	CX09 – 2/2	DN 15	PN 0 to PN200
Connections (see table)	Threaded sleeve flange on request		
Body material	Sleeve version: Brass, nickel-coated brass, 1.4305, 1.4571 Flange version: on request		
Material of seals	Static:	FKM	
	Dynamic:	FKM / CX06	
		PTFE / CX07, CX08 & CX09	
Seat seal:	PTFE		
Back pressure resistant	Up to 16 bar		
Media	Gaseous, liquid, contaminated		
Direction of flow	P → A	As marked	
	A → P	max. 16 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	In any position		
Limit switch	Magnetic field sensor		
Fixing	Mounting bracket*		

Pneumatic part (option pilot valve)

Control	5/2-way pilot valve*
Mounting pattern	Namur
Control pressure	3 to 8 bar
Air requirement	approx. 7 cm ³ / stroke
Pilot ports 2+4	G ¹ / ₈ at DN 10
	G ¹ / ₄ at DN 15 to DN 50
Switching speed	CX valve can be smoothly adjusted by adjusting the supply to the pilot valve
Switching times	Open / close 50 – 1000 ms depending on control pressure, pilot valve and exhaust air throttle

Electrical part (option pilot valve)

Nominal 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 industry standard type B
	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

On request we would be happy to discuss your requirements for further options and accessories.

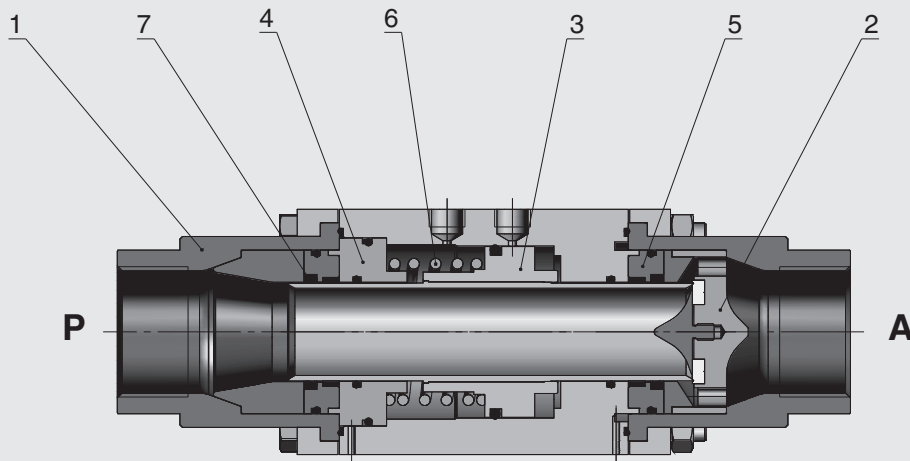
*optional

Designation	DN [mm]	Pressure [bar]	Connection	Kv value [m ³ /h] DIN 60354	Weight [kg]
CX06	10	0 – 64	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	2.7	1.6
	15	0 – 64	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	7.2	2.8
	20	0 – 64	G ¹ / ₂ , G ³ / ₄ , G1	9.4	4.0
	25	0 – 64	G ³ / ₄ , G1, G1 ¹ / ₄	14.5	5.3
	32	0 – 64	G1, G1 ¹ / ₄ , G1 ¹ / ₂	20.0	6.9
	40	0 – 64	G1 ¹ / ₂	45.7	11.7
CX07	50	0 – 64	G2	47.2	11.7
	10	0 – 120	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	2.7	1.6
	15	0 – 120	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	7.2	2.8
	20	0 – 120	G ¹ / ₂ , G ³ / ₄ , G1	9.4	4.0
	25	0 – 120	G ³ / ₄ , G1, G1 ¹ / ₄	14.5	5.3
	32	0 – 100	G1, G1 ¹ / ₄ , G1 ¹ / ₂	20.0	6.9
CX08	40	0 – 100	G1 ¹ / ₂	45.7	11.7
	50	0 – 100	G2	47.2	11.7
	10	0 – 160	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	2.7	1.6
	15	0 – 160	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	7.2	2.8
CX09	20	0 – 160	G ¹ / ₂ , G ³ / ₄ , G1	9.4	4.0
	25	0 – 160	G ³ / ₄ , G1, G1 ¹ / ₄	14.5	5.3
CX09	15	0 – 200	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	7.2	3.2

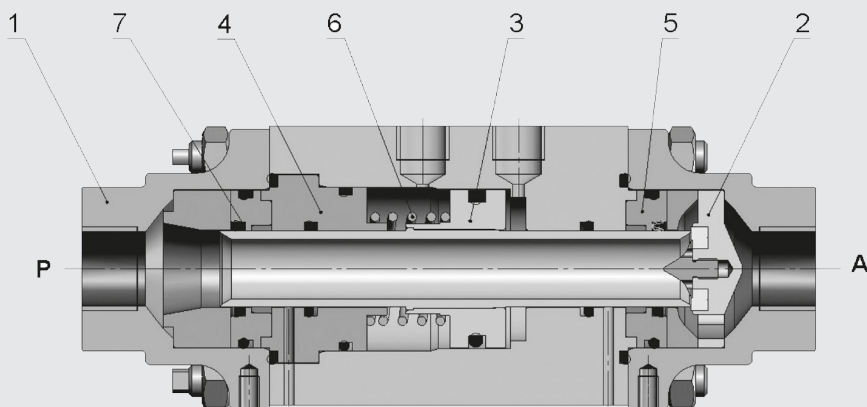
NOTE: Inserting a maintenance unit upstream will increase the service life of the unit.

Sectional drawing

CX06 - CX08



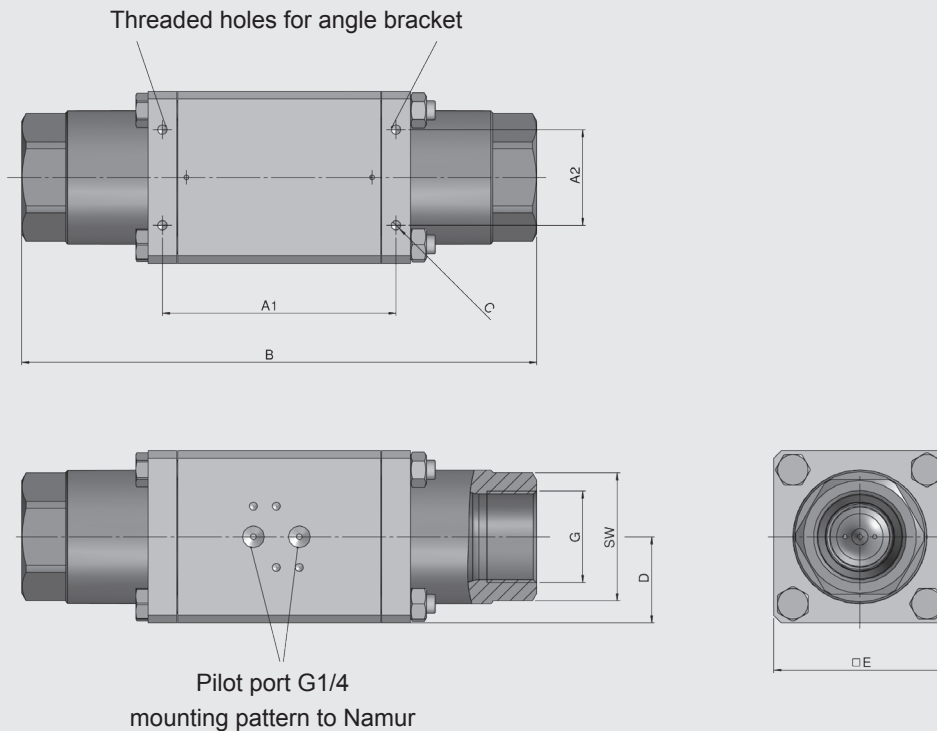
CX09



Item	Designation	Quantity
1	Connecting block	2
2	Valve seat	1
3	Piston / control tube	1
4	Actuating plate	1
5	Guide disc	2
6	Spring	1
7	PTFE rod seal	2

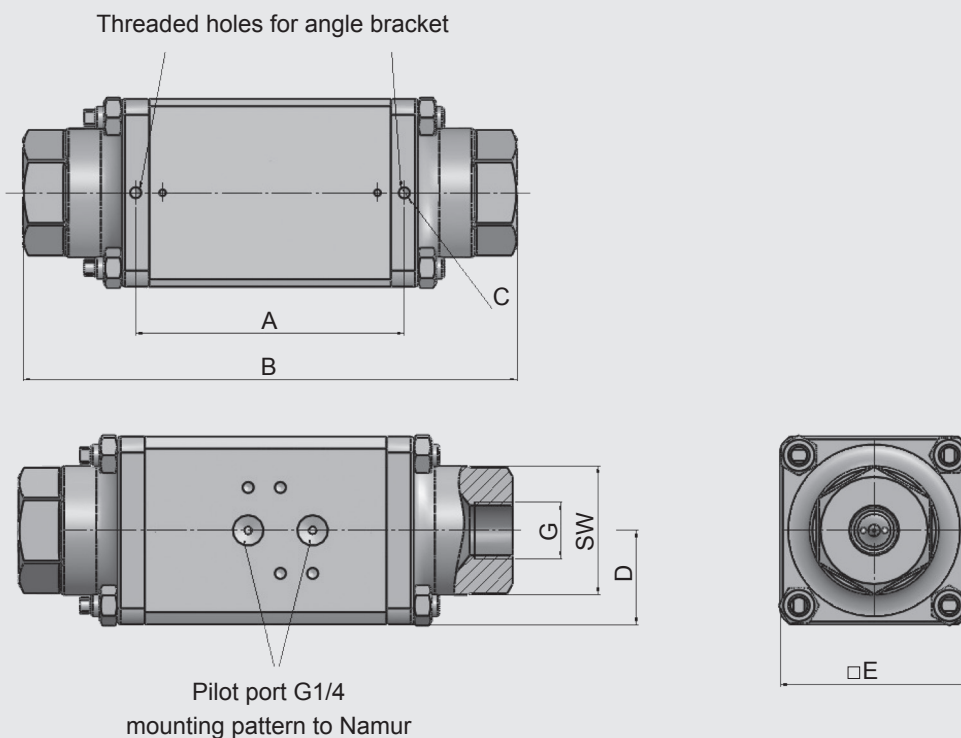
Dimensions

CX06 - CX08



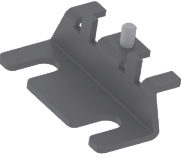
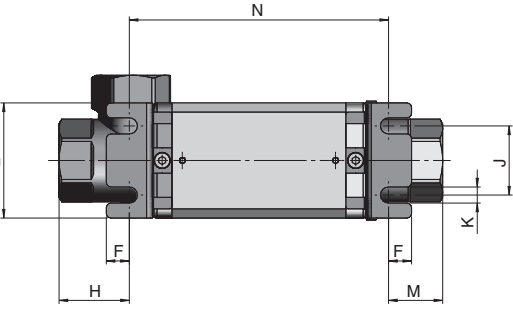
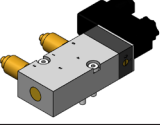
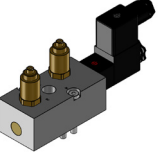
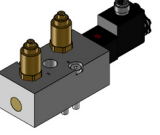


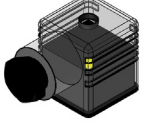
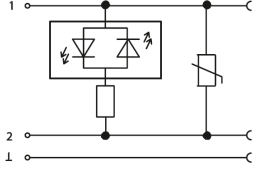
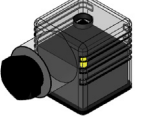


DN	G	SW	A ₁ [mm]	A ₂ [mm]	B [mm]	C	D [mm]	E [mm]
10	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	32	84	–	159.5	M4	25	50
15	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	41	100	–	184	M5	35	70
20	G ¹ / ₂ , G ³ / ₄ , G1	46	108	–	215	M5	40	80
25	G ³ / ₄ , G1, G1 ¹ / ₄	55	121	–	246	M5	45	90
32	G1, G1 ¹ / ₄ , G1 ¹ / ₂	60	122	50	269	M6	45	90
40	G1 ¹ / ₂	75	131	60	304	M6	55	110
50	G2	75	131	60	304	M6	55	110

CX09



DN	G	SW	A [mm]	B [mm]	C	D [mm]	E [mm]
15	G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	50	100	184	M5	35	70

Accessories

	<p>Mounting bracket mechanical option = HW</p> <table border="1" data-bbox="411 228 954 499"> <thead> <tr> <th>DN</th> <th>F [mm]</th> <th>H [mm]</th> <th>J [mm]</th> <th>K [mm]</th> <th>L [mm]</th> <th>M [mm]</th> </tr> </thead> <tbody> <tr><td>10</td><td>10</td><td>23.5</td><td>30</td><td>7</td><td>50</td><td>113</td></tr> <tr><td>15</td><td>10.5</td><td>22.5</td><td>45</td><td>7</td><td>70</td><td>139</td></tr> <tr><td>20</td><td>15.3</td><td>33.5</td><td>50</td><td>7</td><td>80</td><td>149</td></tr> <tr><td>25</td><td>16</td><td>34</td><td>60</td><td>8.5</td><td>90</td><td>178</td></tr> <tr><td>32</td><td>6</td><td>37</td><td>78</td><td>6.5</td><td>115</td><td>195</td></tr> <tr><td>40</td><td>6</td><td>40</td><td>98</td><td>6.5</td><td>130</td><td>224</td></tr> <tr><td>50</td><td>6</td><td>40</td><td>98</td><td>6.5</td><td>130</td><td>224</td></tr> </tbody> </table>	DN	F [mm]	H [mm]	J [mm]	K [mm]	L [mm]	M [mm]	10	10	23.5	30	7	50	113	15	10.5	22.5	45	7	70	139	20	15.3	33.5	50	7	80	149	25	16	34	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	
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	<p>Exhaust air throttle = DR</p>	<p>G1/8 G1/4</p>																																																								
	<p>Silencer of sinter bronze = SD</p>	<p>G1/8 G1/4</p>																																																								
	<p>Plug with LED electrical option = LED</p>																																																									
	<p>Plug with power reduction 24V DC Type A electrical option = LS</p>																																																									
	<p>Explosion proof II 2G Ex m II T4 II 3D IP65 T130 °C electrical option = EX</p>	<p>Note: Operating pressure is reduced by 20 % in Ex specification.</p>																																																								

On request 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.

Subject to technical modifications.

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: info@hydac.com

