

2/2-way Coaxial Valve

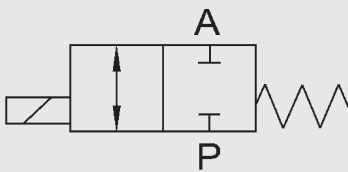
CXMEX direct acting

Modular

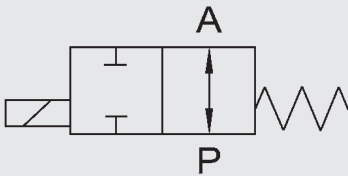
Model code
(also example order)

CXMEX 2/2 D C 2 10 020 012 24V 2XL

Switching function



NC (closed when de-energised)



NO (open when de-energised)

Order data

- Nominal size
- Connection
- NC / NO function
- Operating pressure
- Flow rate
- Medium
- Temperature of medium
- Ambient temperature
- Supply voltage
- Number of module blocks

! 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.

Designation

CXMEX = CXMEX 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 (valve)

2 = Brass

4 = 1,4305*

5 = 1,4571*

Valve sizes

10 = DN 10

15 = DN 15

Pressure range

020 = >0 - 20 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

034 = G $\frac{1}{2}$ DN 15

Supply voltage

24 V = 24 V DC

230 V = 230 V AC 40 - 60 Hz

Number of module blocks

2XL = Double block with G $\frac{3}{4}$ connecting block, left, and end cap, right


*optional

Technical data

Control	2/2-way valve, direct acting		
Nominal size	DN 10, DN 15		
Pressure range (see table)	CXMEX - 2/2 DN 10	PN 0 to PN 20	
	CXMEX - 2/2 DN 15	PN 0 to PN 20	
Connections (see table)	Valve:	G $\frac{1}{4}$ - G $\frac{3}{4}$	
	Block:	G $\frac{1}{2}$ - G1 $\frac{1}{2}$	
Housing material	Single valve:	Brass, 1,4305*, 1,4571*	
	Block:	Aluminium	
Seal material	Static:	FKM	
	Dynamic:	PTFE	
	Seat seal:	FKM	
Back-pressure resistant	Up to 16 bar		
Vacuum	Leakage rate <10 ⁻⁶ mbar•l/s *		
Media	Gaseous, liquid, high-viscosity, gelatinous, contaminated		
Abrasive operating fluids	On request		
Flow direction	P → A	max. 20 bar	
	A → P	max. 16 bar	
Temperature of medium	-20 °C to +40 °C		
Ambient temperature	-30 °C to +40 °C		
Mounting position	No orientation restrictions		


Electrical part

Supply voltage	DC: 24 V AC: 230 V 50 Hz
Connection	Cable gland M16 x 1.5
Voltage tolerance	+ / - 10% to VDE 0580
Duty cycle	100%
Explosion protection	II 2G Ex em II T4 II 2 D td A21 IP65 T130°C

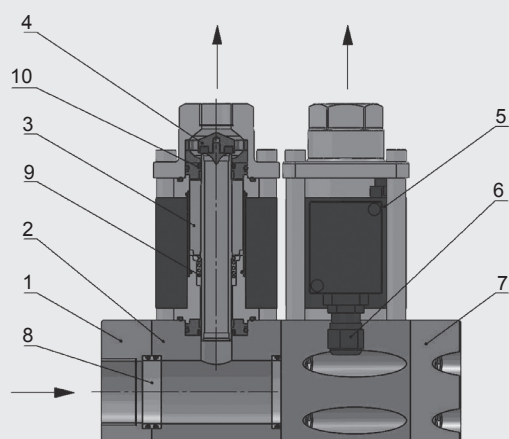
 The material specification refers exclusively to the valve connection parts in contact with the medium. *optional

Series	DN [mm]	Pressure [bar]	Connection (Valve)	Kv value [m ³ /h]	Power consumption [W]		Weight [kg]
					24 V DC	230 V 50 Hz	
CXMEX	10	0 - 20	G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$	2.5	23	23	2.3
	15	0 - 20*	G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$	5.2	30	30	4.3

*Higher pressures on request

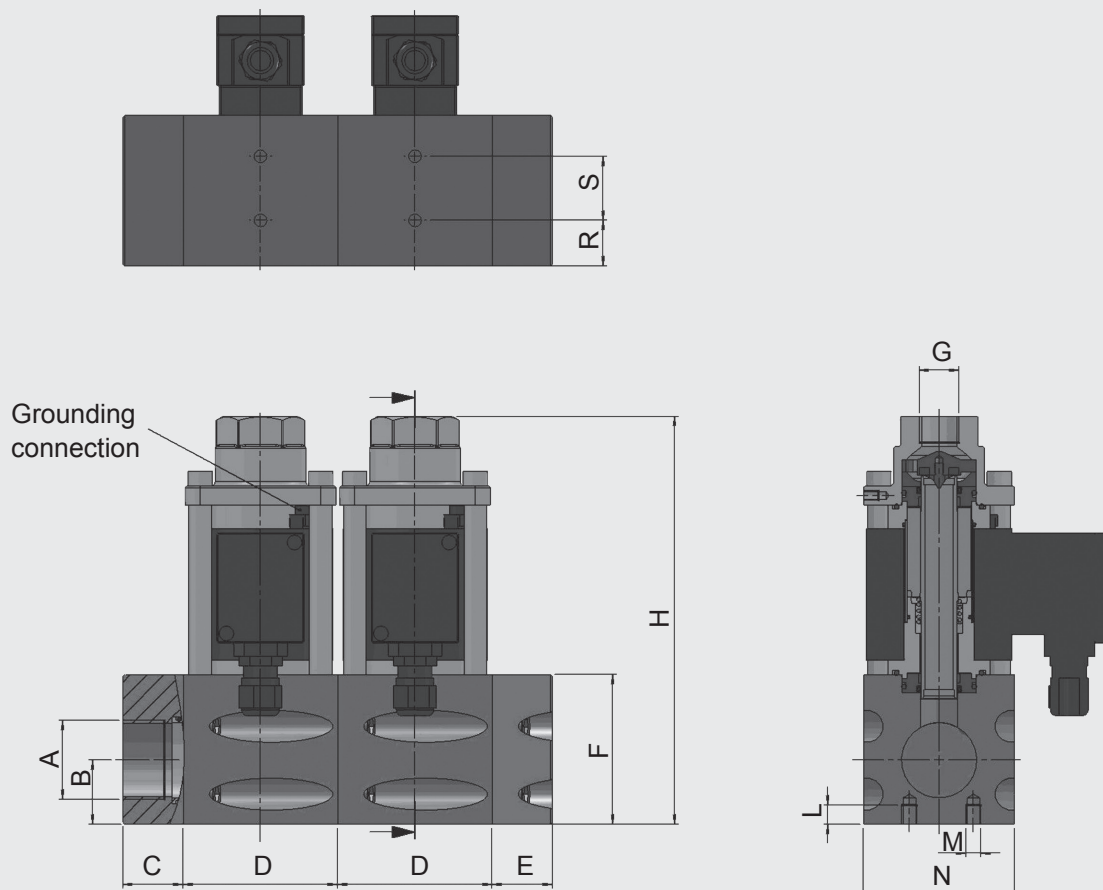
 The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

Sectional drawing






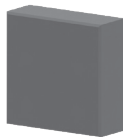
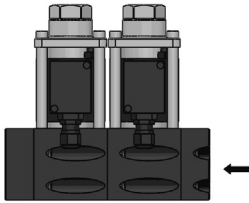
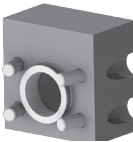
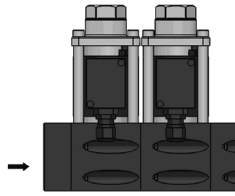
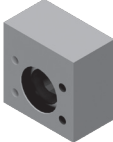
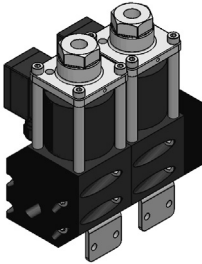

Item	Designation	Qty.
1	Connecting block, left	1
2	Block module	2
3	Solenoid armature	2
4	Valve seat	2
5	Solenoid	2
6	Cable gland	2
7	End cap	1
8	Spacer	3
9	Spring	2
10	PTFE rod seal	4

Dimensions



DN	A	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	G	L [mm]	M	N [mm]	R [mm]	S [mm]
10	G $\frac{1}{2}$, G $\frac{3}{4}$, G1, G1 $\frac{1}{4}$	28	42	67	27	69.5	187	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$	8	M6	70	21	28
15	G1, G1 $\frac{1}{4}$, G1 $\frac{1}{2}$	34	32	82	32	79.5	216.5	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$	10	M8	80	25	34

Accessories

Joining parts	Separating plate		
	Spacer		
End caps	End cap, right		
	End cap, left		
Connecting blocks	Connecting block, right		
	Connecting block, left		
Mounting bracket	Mechanical option = HW		

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. Figures given for product characteristics are average values for a new product which are subject to an ageing 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: info@hydac.com