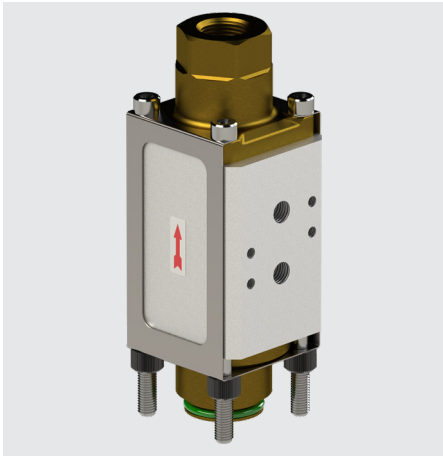
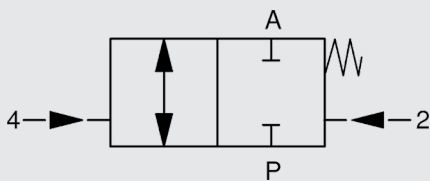


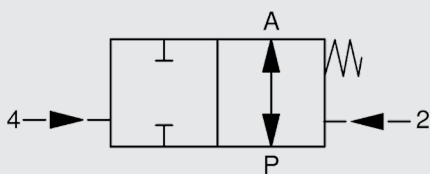
## 2/2-way coaxial valve plug-in CX06P to CX08P pilot-operated



### Switching function



NC (closed when de-energised)



NO (open when de-energised)

### Order data

- Nominal size
- Connection
- Function NC/NO
- Operating pressure
- Flow rate
- Fluid
- Fluid 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 order example)

**CX06P 2/2 F C 2 10 064 012 PV**

#### Designation

CX06P = series CX06 Plug-in  
CX07P = series CX07 Plug-in  
CX08P = series CX08 Plug-in

#### Ways

2/2 = number of ways

#### Control

F = external pilot

#### Switching function

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

#### Body material

2 = brass

#### Nominal size

10 = DN 10

#### Pressure range

064 = CX06P >0 - 64 bar  
120 = CX07P >0 - 120 bar  
160 = CX08P >0 - 160 bar

#### Connection

014 = G $\frac{1}{4}$  - DN 10  
038 = G $\frac{3}{8}$  - DN 10  
012 = G $\frac{1}{2}$  - DN 10  
034 = G $\frac{3}{4}$  - DN 10 \*

#### Option

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

## Technical data


Control	2/2-way valve, pilot-operated		
Nominal size	DN 10		
Pressure range (see table)	CX06P	PN 0 to PN 64	
	CX07P	PN 0 to PN 120	
	CX08P	PN 0 to PN 160	
Connections	Female threaded connection (see table)		
Body material	Brass (stainless steel on request)		
Seal material	Static:	FKM	
	Dynamic:	FKM	CX06P
		PTFE	CX07P, CX08P
Seat seal:	PTFE		
Back-pressure resistant	Up to 16 bar (capable of flow in both directions on request)		
Vacuum	Leakage rate <10 <sup>-6</sup> mbar • l/s		
Media	Gaseous, liquid, contaminated		
Abrasive operating fluids	On request		
Flow direction	P → A	As marked	
	A → P	max. 16 bar	
Temperature of fluid	-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		
Limit switch	Magnetic field sensor *		


## Pneumatic part (for pilot valve option)

Control	5/2-way pilot valve*		
Mounting pattern	Namur		
Pilot pressure	3 to 8 bar		
Air requirement	Approx. 7 cm <sup>3</sup> / stroke		
Pilot ports 2+4	G1/8		
Switching speed	CX valve can be adjusted steplessly by adjusting the supply to the pilot valve		
Switching times	Open/close 50–1000 ms depending on pilot pressure, pilot valve and exhaust air throttle		

## Electrical part (for pilot valve option)

Supply voltage	DC: 24 V		
	AC: 230 V 40–60 Hz		
	Special voltages on request		
Electrical part	DC: DC solenoid AC: DC solenoid and female connector with integrated rectifier		
Connection	Female connector to industry standard, Form B		
	Female connector to industry standard, Form A *		
	Female connector to DESINA M12x1 and LED / VDMA M12x1 and LED *		
	Female connector with varistor and LED *		
Voltage tolerance	±10% to VDE 0580		
Duty cycle	100% duty cycle		
Protection class	IP 65 when female connector is fitted		

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

 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 [m <sup>3</sup> /h]	Weight [kg]
<b>CX06P</b>	10	0 – 64	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub> *	2.7	1.6
<b>CX07P</b>	10	0 – 120	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub> *	2.7	1.6
<b>CX08P</b>	10	0 – 100	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub> *	2.7	1.6

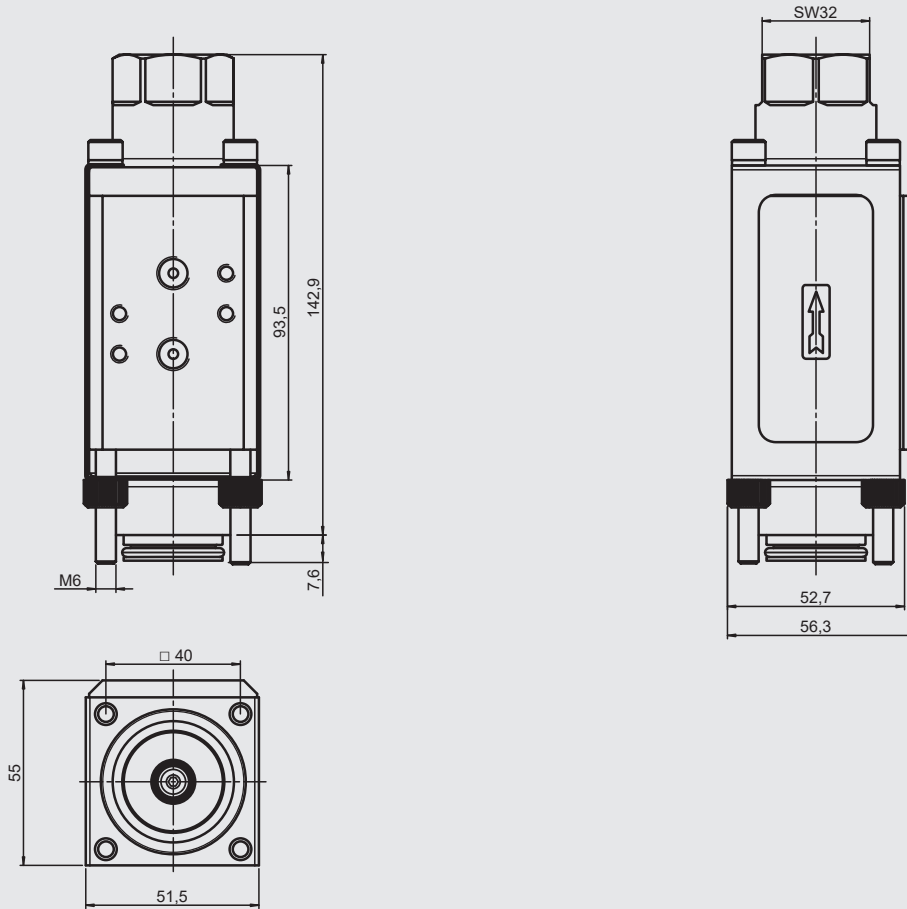
NOTICE: Inserting a maintenance unit upstream will increase the service life of the devices.

\* optional

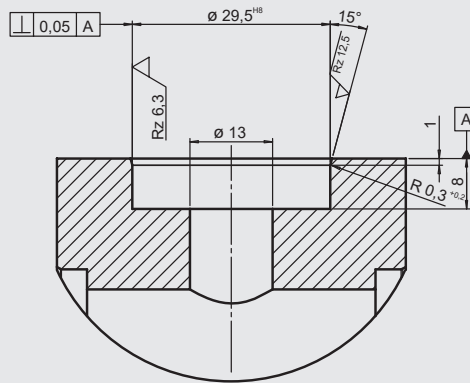
## Dimensions

(Dimensions given in mm)

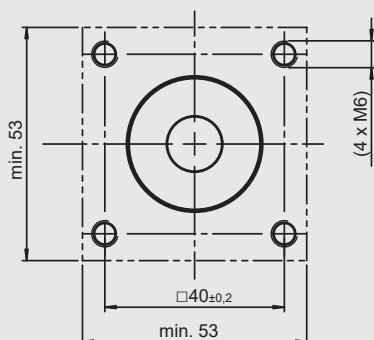
### CX plug-in



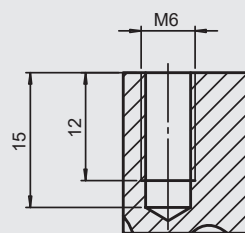
### Cavity for CX plug-in



### Hole pattern, mounting screws



### Mounting thread



### Screw tightening torque

DN	Thread	M
10	M6	8 Nm

## NOTE

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