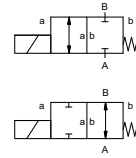


# coaxial valve

## type FK 80



**2/2 way valve** **direct acting**  
**pressure range** PN 0-16 bar  
**orifice** DN 80 mm  
**connection** flange  
**function** valve normally closed symbol **NC**  
 valve normally open symbol **NO**



Above stated body materials refer to the valve port connections that get in contact with the media only!

**design** pressure balanced, with spring return  
**body materials** ① aluminium ② steel, galvanized  
 ③ ⑤ without non-ferr. metals  
 ④ steel, nickel plated ⑥ stainless steel  
**valve seat** synthetic resin on metal  
**seal materials** NBR PTFE, FPM, EPDM

**details needed**

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

	general specifications	options
<b>ports</b>	FK flanges PN 16	special flanges
<b>function</b>	NC	NO
<b>pressure range</b>	bar 0-16	> 16 bar upon request
<b>Kv value</b>	m <sup>3</sup> /h 70,0	
<b>vacuum</b>	leak rate	< 10 <sup>-4</sup> mbar·l/s <sup>-1</sup>
<b>pressure-vacuum</b>	P <sub>1</sub> ↔ P <sub>2</sub>	upon request
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>	available (max. 5 bar)
<b>media</b>	gaseous - liquid - highly viscous - gelatinous - contaminated	
<b>abrasive media</b>		upon request
<b>damping</b>	opening closing	upon request
<b>flow direction</b>	A ↔ B as marked	bi-directional (max. 5 bar)
<b>switching cycles</b>	1/min 20	
<b>switching time</b>	ms opening 600 closing 800	
<b>media temperature</b>	°C DC: -20 to +80 AC: -20 to +80	
<b>ambient temperature</b>	°C DC: -20 to +80 AC: -20 to +80	
<b>limit switches</b>		inductive
<b>manual override</b>		
<b>approvals</b>		LR/GL/WAZ
<b>mounting</b>		
<b>weight</b>	kg FK 38,0	
<b>additional equipment</b>		upon request

The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

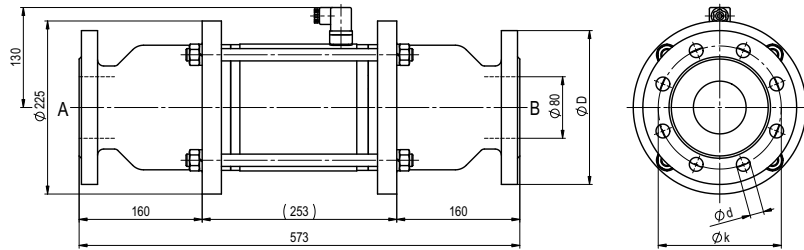
If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	electrical specifications	options
<b>nominal voltage</b>	U <sub>n</sub> 24 V DC	special voltage upon request
<b>actuation</b>	U <sub>n</sub> 230 V 40-60 Hz AC	special voltage upon request
	DC direct-current magnet	
	AC direct-current magnet with integrated rectifier	
<b>insulation rating</b>	H 180°C	
<b>protection</b>	IP65	
<b>energized duty rating</b>	ED 100%	
<b>connection</b>	plug acc. DIN EN 175301-803 form A, 4 positions x 90° / wire diameter 6-8 mm	terminal box M16x1,5
<b>optional additional equipment</b>	illuminated plug with varistor	
<b>current consumption</b>	N-coil 24 V DC 4,40 A	
	230 V 40-60 Hz AC 0,65 A	
	H-coil	230 V 40-60 Hz AC 0,79 A
<b>explosion proof</b>		
<b>limit switches</b>	inductive (I) normally open-PNP	
	inductive (B) normally open-PNP	

■ specifications not highlighted are standard  
 ■ specifications highlighted in grey are optional

# type FK 80

function: **NC**  
closed when not energized



flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	2633	200	160	18

# type FK 80

function: **NO**  
open when not energized

