

# coaxial valve

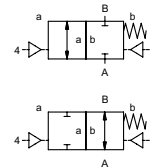
## type CFM 08


## 3-CFM 08

valve type with pilot valve



2/2 way valve	externally controlled
pressure range	PN 0-40 bar
orifice	DN 8 mm
connection	thread
function	valve
	normally closed
symbol	<b>NC</b>
	valve
	normally open
symbol	<b>NO</b>



 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 brass ②
	③ ⑤
	④ ⑥
valve seat	synthetic resin on metal
seal materials	NBR, FPM, PE PU, PTFE


## details needed for main valve

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

## details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max
- low wattage coil, actuation pressure range 4-7 bar
- pilot valve type

 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.

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

## general specifications

## options

ports	CFM	threads G 3/8
function	NC	NO
pressure range	bar	0-40
Kv value	m³/h	1,6
vacuum	leak rate	< 10 <sup>-6</sup> mbar•l•s <sup>-1</sup>
pressure-vacuum	P1 ⇄ P2	
back pressure	P2 > P1	available (max. 16 bar)
media	emulsions - oils - neutral gases	other medias upon request
abrasive media		
damping	opening	
	closing	
flow direction	A ⇄ B	as marked
switching cycles	1/min	400
switching time	ms	opening 70 closing 80
media temperature	°C	direct mounted pilot valve 60 >60°C upon request
ambient temperature	°C	direct mounted pilot valve 50 >50°C upon request
flush ports		
leak ports		
limit switches		reed, temperature range max 70°C
manual override	via pilot valve	
approvals		
mounting		mounting brackets
weight	kg	0,3
additional equipment		

## electrical specifications

## options

nominal voltage	Un	DC 24V	special voltage upon request
	Un	AC 230V 40-60 Hz	special voltage upon request
power consumption	DC	4,8 W	2,5 W
	AC	pick up 11,0 VA holding 8,5 VA	
protection	IP 65 (P54)	acc. DIN 40 050	
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form B, 4 positions x 90° / wire diameter 6-8 mm	
additional equipment		illuminated plug with varistor	
optional		connector acc. DESINA	connector acc. VDMA
max. temperature	media	60°C	
	ambient	50°C	
explosion proof	EEx m II T5	nominal voltage Un	direct current 24 V 3,25 W
		power consumption	alternating current 230 V 50 Hz 2,90 W

## pneumatic specifications

## options

actuation pressure range	bar	4-10	3-10 upon request
air consumption	cm³/stroke	1,2	
cycle speed			
control		by 3/2-way pilot valve	
pilot valve interface	co-ax		CNOMO upon request
actuator ports	2/4	G 1/8	

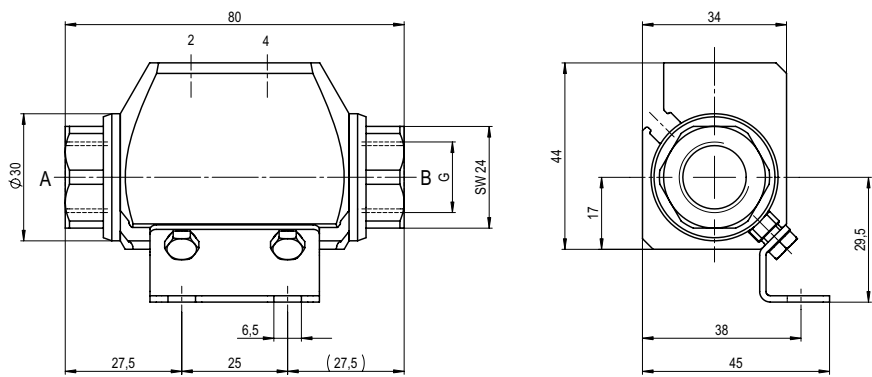
## hydraulic specifications

## options

actuation pressure range		
control		
actuator ports		

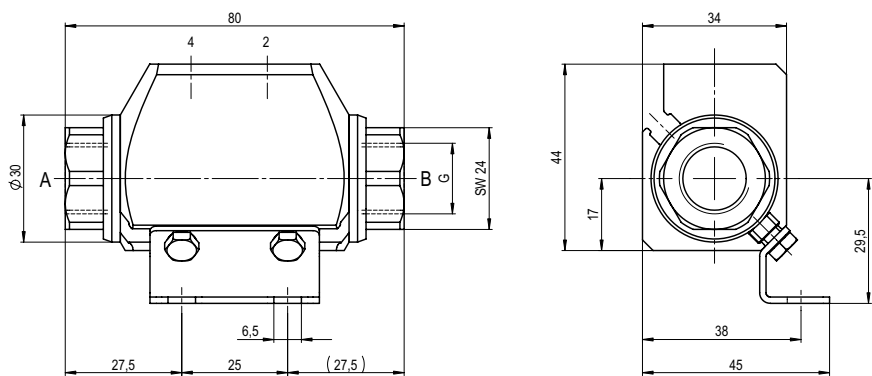
type **CFM 08**

function: **NC**  
closed when not energized

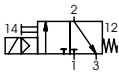


type **CFM 08**

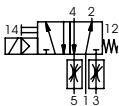
function: **NO**  
open when not energized



**pneumatic actuation  
(5/2 separately)**



3/2-way-pilot valve  
flow rate 60 l/min  
pressure range 3-10 bar



5/2-way-pilot valve  
flow rate 700 l/min  
pressure range 3-10 bar G 1/8

The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

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