

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

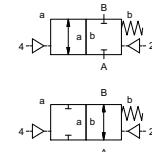
orifice DN 8 mm

connection thread

function valve

normally closed symbol NC

valve normally open symbol NO



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

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

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

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 < 10⁻⁶ mbar·l·s⁻¹		
pressure-vacuum	P ₁ ↔ P ₂		
back pressure	P ₂ > P ₁	available (max. 16 bar)	
media	emulsions - oils - neutral gases	other medias upon request	
abrasive media			
damping	opening		
flow direction	closing		
switching cycles	A → B as marked		
switching time	1/min 400		
media temperature	ms opening 70 closing 80		
ambient temperature	°C direct mounted pilot valve 60 > 60 °C upon request		
flush ports	°C direct mounted pilot valve 50 > 50 °C upon request		
leak ports			
limit switches		temperature range max 70 °C	
manual override			
approvals	via pilot valve		
mounting		mounting brackets	
weight	kg 0,3		
additional equipment			

electrical specifications

options

nominal voltage	U _n DC 24 V	special voltage upon request
	U _n AC 230 V 50 Hz	special voltage upon request
power consumption	DC 4.8 W	2.5 W
protection	AC pick up 11.0 VA holding 8.5 VA	
energized duty rating	IP65 (P54) acc. DIN 40050	
connection	ED 100%	
optional	plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm	
additional equipment	M12x1 connector acc. DESINA	connector acc. VDMA
max. temperature	illuminated plug with varistor	
explosion proof	media 60°C	
	ambient 50°C	
	E Ex e II T5 nominal voltage U _n DC 24 V 3,25 W	
	power consumption AC 230 V 50 Hz 2,90 W	

pneumatic specifications

options

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

hydraulic specifications

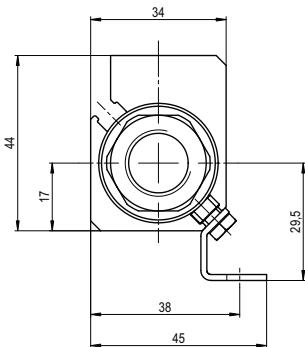
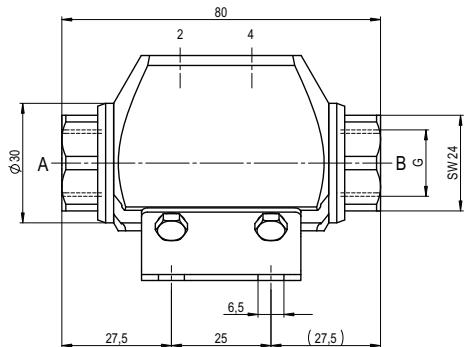
options

actuation pressure range		
control		
actuator ports		
by media		

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

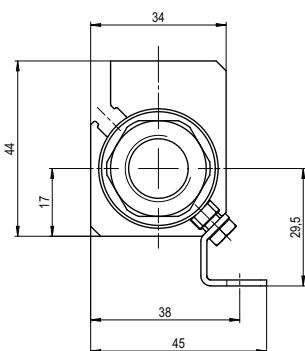
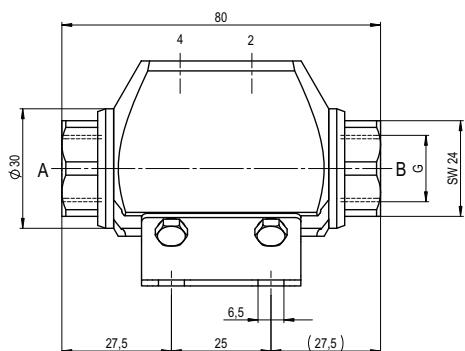
type CFM 08

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
14 2 12 1 3 5 13