

nominal specifications	CXF DR 3/2-way coaxial valve
3/2-way valve	externally controlled / air operated
pressure range	0-40 bar / 0-600 psi
connection	threads
function	NC - normally closed, flow A ⇒ C NO - normally open, flow A ⇒ B
design	pressure balanced, with spring return
body materials parts in contact with media	brass
seal materials seat / dynamic / static	PTFE / FPM / FPM customer to verify seal / seat compatibility with media
media	gaseous-liquid-gelatinous-highly viscous-contaminated
actuator connection	G 1/8 / FNPT 1/8 with NAMUR pilot valve interface



technical data	CXF 10 DR	CXF 15 DR	CXF 20 DR	CXF 25 DR
orifice mm	DN 10	DN 15	DN 20	DN 25
port connection threads	G 3/8 / FNPT 3/8	G 1/2 / FNPT 1/2	G 3/4 / FNPT 3/4	G 1 / FNPT 1
factor Kv A ⇒ B / A ⇒ C	2,2 m³/h / 1,9 m³/h	5,3 m³/h / 3,9 m³/h	9,4 m³/h / 6,7 m³/h	13,0 m³/h / 11,0 m³/h
media temperature	-20 °C to +100 °C	-20 °C to +100 °C	-20 °C to +100 °C	-20 °C to +100 °C
ambient temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
pneumatic actuation	5/2-way pilot valve (optional)	5/2-way pilot valve (optional)	5/2-way pilot valve (optional)	5/2-way pilot valve (optional)
actuating pressure	4-8 bar / 60-120 psi	4-8 bar / 60-120 psi	4-8 bar / 60-120 psi	4-8 bar / 60-120 psi
actuation time opening	30 ms to 3000 ms	35 ms to 3000 ms	40 ms to 3000 ms	50 ms to 3000 ms
actuation time closing	50 ms to 3000 ms	60 ms to 3000 ms	60 ms to 3000 ms	70 ms to 3000 ms
vacuum leak rate	< 10 ⁻⁴ mbar·l·s ⁻¹	< 10 ⁻⁴ mbar·l·s ⁻¹	< 10 ⁻⁴ mbar·l·s ⁻¹	< 10 ⁻⁴ mbar·l·s ⁻¹
flow direction	A ⇒ B / A ⇒ C B ⇒ A	A ⇒ B / A ⇒ C B ⇒ A	A ⇒ B / A ⇒ C B ⇒ A	A ⇒ B / A ⇒ C B ⇒ A
length L1 / L2	166 mm / 50 mm	200 mm / 70 mm	229 mm / 80 mm	249 mm / 90 mm
length L3 / L4	37 mm / 32 mm	60 mm / 38,5 mm	72 mm / 45,5 mm	80 mm / 48 mm
weight without pilot valve	1,5 Kg / 3,31 lb	3,0 Kg / 6,61 lb	4,4 Kg / 9,70 lb	6,1 Kg / 13,45 lb

accessories optional	order-codes			
5/2-way pilot valve NAMUR DC 24 V	1 3 4 5 7 9	1 3 4 5 7 9	1 3 4 5 7 9	1 3 4 5 7 9
5/2-way pilot valve NAMUR AC 110 V	1 3 4 5 8 1	1 3 4 5 8 1	1 3 4 5 8 1	1 3 4 5 8 1
5/2-way pilot valve NAMUR AC 230 V	1 3 4 5 8 0	1 3 4 5 8 0	1 3 4 5 8 0	1 3 4 5 8 0
mounting brackets stainless steel	1 3 4 5 7 5	1 3 4 5 7 6	1 3 4 5 7 7	1 3 4 5 7 8
limit switch Reed AC / DC 10-30 V	1 3 4 5 7 4	1 3 4 5 7 4	1 3 4 5 7 4	1 3 4 5 7 4

drawings	circuit symbols	valve order-code
	<p>function: NC valve normally closed</p> <p>function: NO valve normally open</p>	<p>9 8 3 1</p> <p>NC=7 NO=8</p> <p>DN10 G3/8 = 1 DN10 FNPT3/8=5 DN15 G1/2 = 2 DN15 FNPT1/2=6 DN20 G3/4 = 3 DN20 FNPT3/4=7 DN25 G1 = 4 DN25 FNPT1 = 8</p>