New Models



Series 8 pneumatic operated cartridge valves

ortridge valves

2/2-way - Normally Closed (NC) 3/2-way - Normally Closed (NC)









Series 8 pneumatic operated valves are particularly suitable for applications requiring high flow combined with compact design.

The valve is pneumatic operated by electro-pilots which are dimensioned according to the size.

The cartridge design, which is ideal for manifold assembly, allows to reduce both dimensions and the number of pneumatic connections.

The standard function of the valve is 2/2-way NC.

It can however fulfill the 3/2-way NC function if inserted in a proper seat (see the following pages).

- » New versions with PPS body
- » High flow
- » Manifold assembly
- » Oxygen use
- » Suitable also for general purpose

GENERAL DATA

TECHNICAL FEATURES

Function 2/2 NC - 3/2 NC

Operation pneumatic operated poppet type

Pneumatic connections cartridge seat in manifold

Orifice diameter 5 ... 9 mm

Nominal flow 420 ... 1480 Nl/min (air at 6 bar ΔP 1 bar)

Flow coefficient kv (l/min) 6.5 ... 23

Operating pressure $3 \div 6$ bar $(0 \div 6$ bar with external pilot supply)

Piloting pressure 3 ÷ 6 bar Operating temperature 0 ÷ 50 °C

Media filtered air, class 5.4.4 according to ISO 8573-1 (max oil viscosity 32 cSt), inert gas, oxigen

Installation in any position

MATERIALS IN CONTACT WITH THE MEDIUM

Body PPS - brass Internal parts aluminium Seals FKM

C₹ CAMOZZI



R	10	C5	1	00	_	F1	3	2	_	OX2
0	TO			00	_	LT	O		_	UNZ

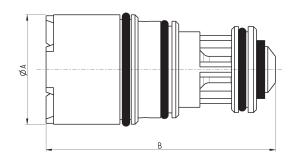
0	10			00		1.4		_		UNL					
8	SERIES														
10	SIZE 10 = size 1 - 20 = size 2 - 30 = size 3 -	Ø 14.5 mm													
C5	BODY DESIGN C5 = cartridge														
1	NUMBER OF WAYS - FUNCTIONS 1 = 2/2 or 3/2-way - NC NOTE: the function 2/2 o 3/2-way depends on the seat used (see the following pages)														
00	PNEUMATIC CONNECTIONS 00 = cartridge														
F1	G7 = Ø 6.6 m	METER nm - size 1 only nm - size 2 only nm - size 3 only													
3	SEAL MATERI 3 = FKM	IAL													
2	BODY MATER 2 = brass B = PPS	RIAL													
OX2	OX2 = for us	e with oxygen (nor	n volatile residua	l less than 33 mg/m	1 ²)										
	NOTE: the O	X2 suffix must be a	dded also in case	of use with air/gas											

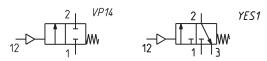
Series 8 pneumatic cartridge valve - 2/2-way NC and 3/2-way NC

New



For 2/2-way (pneumatic symbol VP14) or 3/2-way (pneumatic symbol YES1) function, see the seat dimensioning in the next pages.

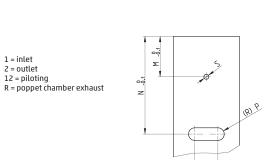


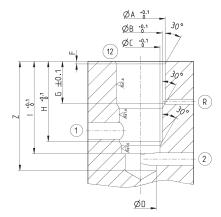


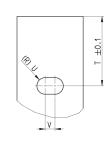
Mod.	Function	Orifice Ø (mm)	kv (l/min)	Min ÷ max pressure (bar)	Min ÷ max pilot pressure (bar)	Body material	A Ø (mm)	B (mm)
810C5100-F132-OX2	2/2 - 3/2 NC	5.0	6.5	0 ÷ 6	3 ÷ 6	brass	10	26.7
810C5100-G73B-OX2	2/2 - 3/2 NC	6.6	12.5	0 ÷ 6	3 ÷ 6	PPS	14.5	30.3
810C5100-G732-OX2	2/2 - 3/2 NC	6.6	12.5	0 ÷ 6	3 ÷ 6	brass	14.5	30.3
810C5100-K13B-OX2	2/2 - 3/2 NC	9.0	23	0 ÷ 6	3 ÷ 6	PPS	22	34.8
810C5100-K132-OX2	2/2 - 3/2 NC	9.0	23	0 ÷ 6	3 ÷ 6	brass	22	34.8



Series 8 pneumatic cartridge valve - 2/2-way NC - valve seat dimensions

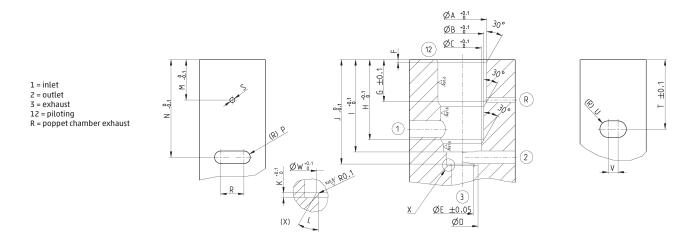






SERIE	SERIES 8																
Size	Α	В	С	D	F	G	Н	1	М	N	Р	R	S	T	U	V	Z
1	10.4	9.7	9	8.2	0.8	14.5	20.7	25	13.2	26.2	1.5	5	1.5	19.1	1.5	5	30
2	14.65	12.95	11.55	9.5	0.8	12.8	24.2	27.9	12.2	29.3	1.9	7	1.5	20.5	2.5	4	33
3	22.1	20.6	19.6	16.2	0.5	15	28.7	33.4	12.5	37.1	4	4.4	2.5	24.8	3.75	5	41

Series 8 pneumatic cartridge valve - 3/2-way NC - valve seat dimensions



SERI	SERIES 8																				
Size	Α	В	С	D	Е	F	G	Н	T	J	К	L	М	N	Р	R	S	T	U	V	W
1	10.4	9.7	9	8.2	5	0.8	14.5	20.7	25	28	0.3	45	13.2	26.2	1.5	5	1.5	19.1	1.5	5	5.4
2	14.65	12.95	11.55	9.5	6.6	0.8	12.8	24.2	27.9	31.55	0.5	45	12.2	29.3	1.9	7	1.5	20.5	2.5	4	7
3	22.1	20.6	19.6	16.2	9	0.5	15	28.7	33.4	38.05	1	60	12.5	37.1	4	4.4	2.5	24.8	3.75	5	10