

AXIAL PNEUMATIC VALVES FAST-AIR NF

MAIN CHARACTERISTICS

The valve FAST-AIR is a coaxial valve with pneumatic command intended for the automatic shut off of the neutral gas and clear and not corrosive liquids. The body and the piston are in aluminum and gaskets in FPM. The main advantages of the valve FAST-AIR are its extreme compactness, the possibility high frequency operation, low compressed air consumption compressed air and of its long time life. Furthermore the valve FAST-AIR can be piloted by interface NAMUR solenoid valve.



AVAILABLE MODELS

FAST-AIR : G 1/2" to G 2"

Type spring return NF (Normally closed)

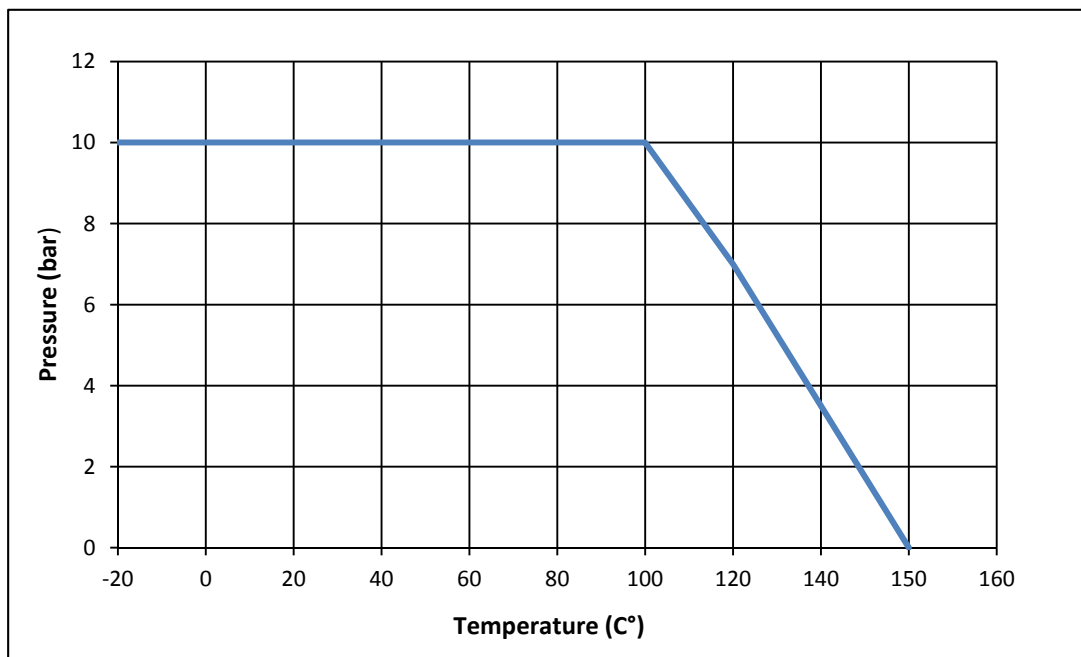
Connection : Fitting G 1/8" and interface NAMUR
BSP Screwed end connections



LIMITS OF USE

Fluid	No hazardous category 2
Max allowed fluid pressure : PS	0 – 10 bar
Max allowed fluid temperature : TS	-20°C / +150°C
Vacuum sealing	740 mmHg (97,4%)
Pressure of control	4,2 – 8 bar

ISO
9001



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REGULATIONS AND STANDARDS OF CONSTRUCTION

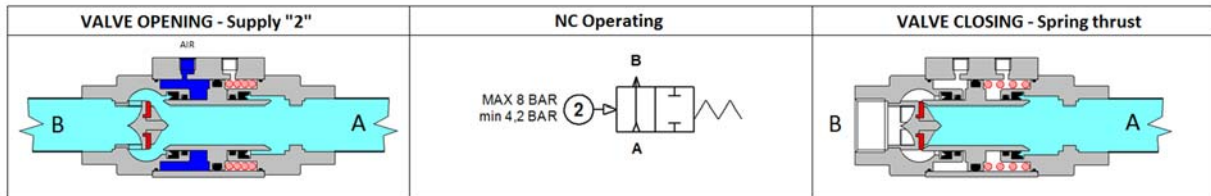
Item	Standard
Pressure Equipment Directive 97/23	1/2" to 2" : A3 § 3 excluded
Aluminium materials	EN AW 6063
BSP thread	ISO 228

OPERATING

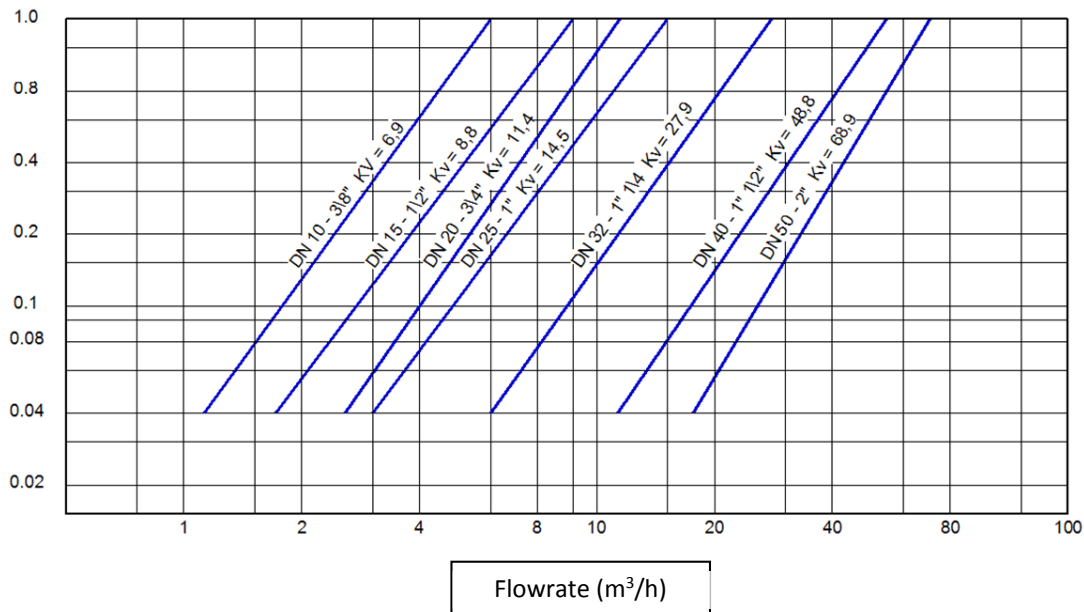
- A special stiker on the body indicated the valves schema of operation, depending on the actuator device supply mode.

- The NC operating (Normally closed) of the valve :

- Supply of actuator pilote, opening supply "2" (Air), sends away the piston from the diaphragm flat gasket seal, and opens the passage of the fluid operated by the valve.
- By stopping the actuator pilote, the internal spring pushes the piston against the diaphragm flat gasket seal, and closed the passage of the fluid operated by the valve (NC)
- **NC operating pressure** : 4,2 - 8 bar



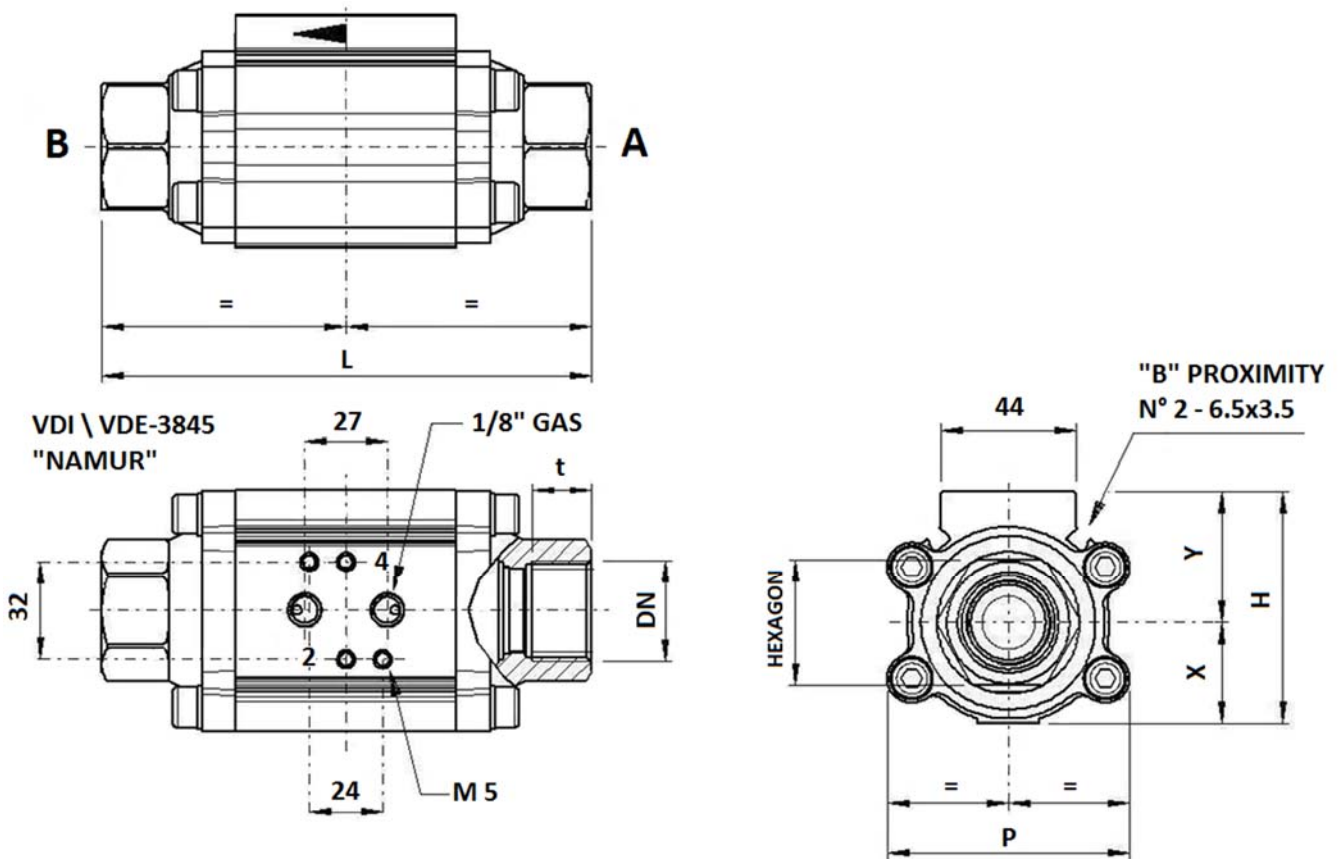
PRESSURE LOSS DIAGRAM (BAR)



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DIMENSIONS (mm) AND WEIGHT (kg)

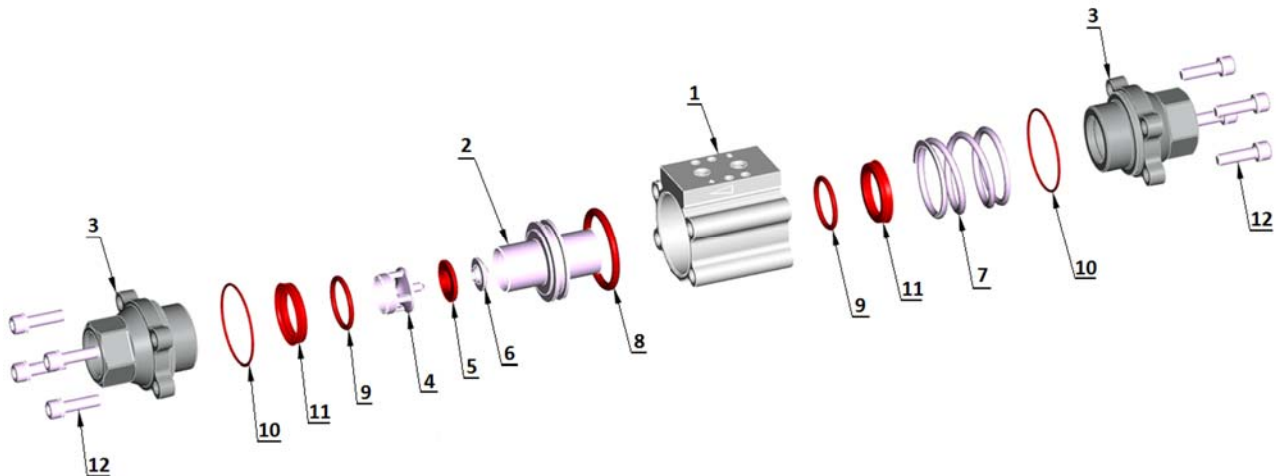
DN	Volume	t	L	P	H	X	Y	HEXAGON	Weight (Kg)
G 1/2"	Lt: 0,080	15	128	58	57	23	34	30	0,66
G 3/4"	Lt: 0,145	16,3	146	68	69	29	40	33	0,96
G 1"	Lt: 0,280	19,1	160	79	76	33	43	41	1,27
G 1" 1/4	Lt: 0,310	21,4	188	89	88	39	49	50	1,86
G 1" 1/2	Lt: 0,540	21,4	206	106	98	44	54	60	2,78
G 2"	Lt: 0,850	25,7	232	117	111	51	60	75	3,59



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CONSTRUCTION

N°	Item	Qty	Material
1	Body	1	EN AW 6063 Aluminium
2	Piston	1	EN AW 6063 Aluminium
3	Cover	2	EN AB 46400 Aluminium
4	Diaphragm	1	Stainless steel AISI 316
5	Flat gasket	1	FPM
6	Nut ring	1	Stainless steel AISI 316
7	Spring	1	Stainless steel AISI 302
8	O-Ring piston	1	FPM
9	O-Ring internal	2	FPM
10	O-Ring cover	2	FPM
11	Gasket	2	FPM
12	Screw	8	Stainless steel AISI 304



MOUNTING

Respect the sense of flow indicated by the arrow marked on the body.
For on use on liquids, the installation of a strainer for upstream protection is recommended.
Conform to the assembly instructions supplied with the axial pneumatic valve.

OPTIONS

- Type normally open (NO). (4,2 bar/mini - 8 bar/maxi)
- Type double acting (DA). (3 bar/mini - 8 bar/maxi)
- Magnetic ring for contact of proximity.
- **Other gaskets** : NBR, EPDM and Silicone.

SPARE PARTS

- **Kits gaskets** : Flat gasket (rep : 5), O-Ring piston (rep : 8), O-Ring internal (re p: 9), O-Ring cover (re p: 10), Gasket (rep : 11).
- On request spring internal (rep : 7).