

- > **Port size: DN 2 ... 10, G1/8 ... 1/2 (ISO G/NPT)**
- > **Reversed flow direction optional**
- > **Compact miniature actuator ø 30 mm**
- > **High flow rate**
- > **Actuator may be rotated 360°**
- > **Valve operates without pressure differential**
- > **Suitable for contaminated process fluid**
- > **Clip angle M5 standard**
- > **Suitable for vacuum up to max. 90%**



Technical features

Medium:

Neutral, aggressive gases and liquids up to 600 mm²/s

Pilot fluid:

Neutral gases max. +60°C (+140°F)

Switching function:

Normally closed

Operation:

Pressure actuated by external fluid

Mounting position:

Optional

Flow direction:

Determined

Port size:

G1/8, G1/4, G3/8, G1/2, 1/8 NPT, 1/4 NPT, 3/8 NPT, 1/2 NPT

Pilot port:

M5

Operating pressure:

0 ... 25 bar (0 ... 362 psi)

Pilot pressure:

4 ... 10 bar (58 ... 145 psi)

Fluid temperature:

-10° ... +90°C (+14° ... +194°F)

Ambient temperature:

-10° ... +60°C (+14° ... +140°F)

Material:

Flow fluid range:

Body: Brass (CW617N)

Seals: NBR

Seat seal: PTFE

Internal parts: Stainless steel/Brass

Seal packing: PTFE/NBR

self-adjustable

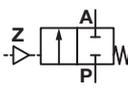
Pilot fluid range:

Body: Stainless steel (1.4404)

Seals: NBR

Internal parts: Stainless steel/Brass

Technical data - standard models

Symbol	Port size	Orifice (mm)	Pilot pressure (bar)	Flow kv value *1) (m ³ /h)	Operating pressure *2) (bar)	Weight (kg)	Model
	G1/8	2	4 ... 10	0,12	0 ... 25	0,35	8418800.0000.00000
	1/8 NPT	2	4 ... 10	0,12	0 ... 25	0,35	8438800.0000.00000
	G1/4	4	4 ... 10	0,35	0 ... 25	0,33	8418020.0000.00000
	1/4 NPT	4	4 ... 10	0,35	0 ... 25	0,33	8438020.0000.00000
	G3/8	6	4 ... 10	0,6	0 ... 20	0,32	8418140.0000.00000
	3/8 NPT	6	4 ... 10	0,6	0 ... 20	0,32	8438140.0000.00000
	G1/2	10	4 ... 10	1,8	0 ... 8	0,47	8418260.0000.00000
	1/2 NPT	10	4 ... 10	1,8	0 ... 8	0,47	8438260.0000.00000

*1) Cv-value (US) ≈ kv value x 1,2

*2) For gases and liquid fluids up to 600 mm²/s (cSt)

Option selector

84*****.0000.00000

Thread form	Substitute
ISO G	18
NPT	38
Port size	Substitute
1/8"	800
1/4"	020
3/8"	140
1/2"	260

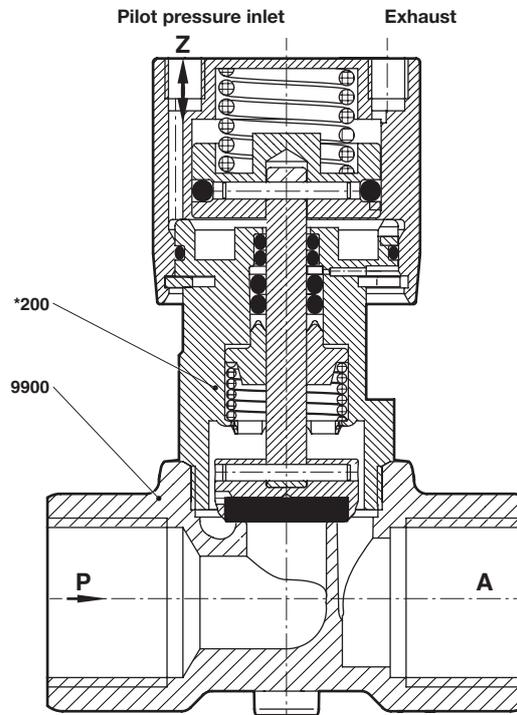
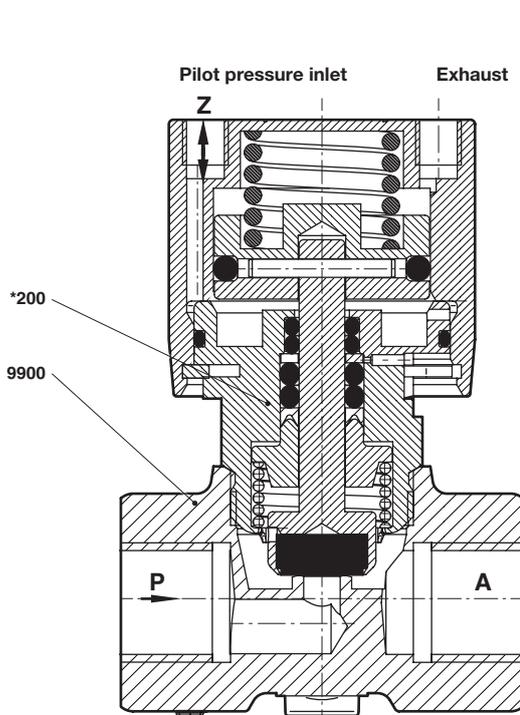
Valve options	Substitute
Normally open (NO)	xx
Seat seal FPM	xx
Seat seal EPDM	xx
Double acting	xx
Oxygen model	xx
Higher operating pressure	xx

Further options on request!

Section View

G1/8 ... 3/8
1/8 ... 3/8 NPT

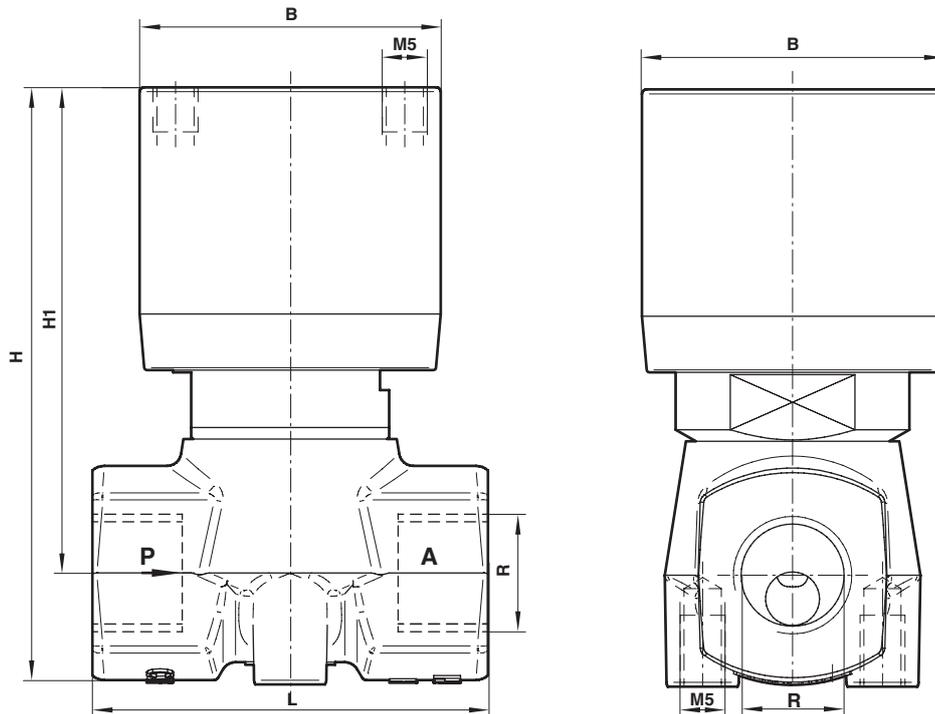
G1/2
1/2 NPT



* These individual parts form a complete wearing unit.
When ordering spare parts please state Model No. and Series No.

No.	Description
*200	Actuator
9900	Valve body

Dimensions
G1/8 ... 1/2
1/8 ... 1/2 NPT

 Dimensions in mm
 Projection/First angle


Port size R	B *1)	H	H1	L	Model
G1/8	44	65	53	44	8418800.0000.00000
1/8 NPT	44	65	53	44	8438800.0000.00000
G1/4	44	65	53	44	8418020.0000.00000
1/4 NPT	44	65	53	44	8438020.0000.00000
G3/8	44	65	53	44	8418140.0000.00000
3/8 NPT	44	65	53	44	8438140.0000.00000
G1/2	60	81	67	60	8418260.0000.00000
1/2 NPT	60	81	67	60	8438260.0000.00000

*1) B = max. depth

Note to Pressure Equipment Directive (PED):

The valves of this series, including the connection size DN 25 (G 1), are according to Art. 3 § 3 of the Pressure Equipment Directive (PED) 97/23/EG. This means interpretation and production are in accordance to engineers practice wellknown in the member countries.

The CE-sign at the valve refers not to the PED. Thus the declaration of conformity is not longer applicable for this directive.

For valves > DN 25 (G 1) Art. 3 § (1) No.1.4 applies.

The basic requirements of the Enclosure I of the PED must be fulfilled.

The CE-sign at the valve includes the PED. A certificate of conformity of this directive will be available on request.

Note to Electromagnetic Compatibility Guideline (EEC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline (2004/108/EG) satisfield.