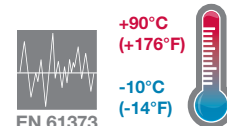


- > **Port size:** DN 2 ... 10,
G1/8 ... 1/2 (ISO G/NPT)
- > **Small size drain or shut-off valve**
- > **Compact miniature actuator** Ø 30 mm
- > **Suitable for contaminated process fluids**
- > **Actuator may be rotated 360°**
- > **Suitable for vacuum up to max. 90%**
- > **Brass body**
- > **Wide temperature range**
- > **Shock and vibration tested to EN 61373, Category 1, class A and B**



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)

Storage temperature:

-40°C (-40°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Material:

Flow fluid range:

Body: Brass (CW617N)

Seals: NBR

Seat seal: PTFE

Internal parts: Stainless steel/Brass

Seal packing: PTFE/NBR

self-adjustable

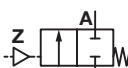
Pilot fluid range:

Body: Stainless steel (1.4404)

Seals: NBR

Internal parts: Stainless steel/Brass

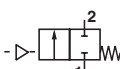
Technical data - standard models

Symbol	Port size	Orifice (mm)	Pilot pressure (bar)	Flow kv value *1) (m³/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 × 1,2

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

Special applications

Symbol	Application	Port size	Flow kv value (m³/h)	Operating pressure (bar)	Pilot pressure (bar)	Fluid temperature	Ambient / Pilot temperature	Sealing	Model Body material Brass
	Vacuum toilets	G1/4	2	0 ... 6	3 ... 8	0 ... +90°C	0 ... +50°C	NBR	8496487.0000.00000

Option selector

84★★★★★.0000.00000

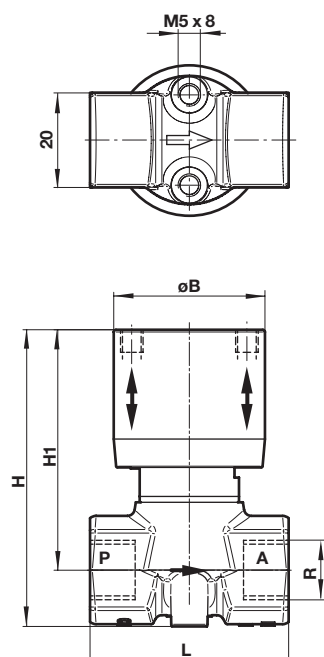
Thread form	Substitute
ISO G	18
NPT	38
Port size	Substitute
1/8"	800
1/4"	020
3/8"	140
1/2"	260

Orifice (mm)	Substitute
2	00
4	20
6	40
10	60

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

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under

»Technical features/data«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI BUSCHJOST.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.