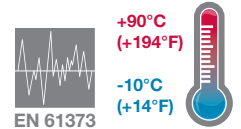


- > Port size. DN 8 ... 12, 1/4" ... 1/2" (ISO G/NPT)
- > Small size drain or shut-off valve
- > Spindle seal with diaphragm
- > Suitable for contaminated process fluids
- > Optical position indicator is standard on 82710
- > Stainless steel body optional
- > Wide temperature range
- > Shock and vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:

Neutral gases and liquids

Pilot fluid:

Air, water, hydraulic oil
max. +90°C (+194°F)

Switching function:

Normally closed

Operation:

Pressure actuated by external fluid

Mounting position:

Optional

Flow direction:

Optional

Port size:

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

Pilot connection:

G1/8 or 1/8 NPT

Operating pressure:

-0,9 ... 6 bar (-13,05 ... 87 psi)

Differential pressure:

3 ... 8 bar (43,5 ... 116 psi)

Fluid temperature:

-10° ... +90°C/150°C optional
(+14° ... +194°F/302°F optional)

Ambient temperature:

-10° ... +50°C/150°C optional
(+14° ... +122°F 302°F optional)

Storage temperature:

-40°C (-40°F)

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

Material:

Process fluid characteristics:

Body: Brass

Pilot fluid characteristics:

Body: Brass, PPO (cover)

Seat seal: Fabric reinforced NBR diaphragm (EPDM or FPM optional)

2/2 way normally closed valves

Symbol	Port size	Orifice (mm)	Flow kv value *1) (m³/h)	Operating pressure *2) (bar)	Differential pressure *3)	Weight (kg)	Model
	G1/4	8	1,9	-0,9 ... 6	3 ... 8	0,75	8271000.0000.00000
	1/4 NPT	8	1,9	-0,9 ... 6	3 ... 8	0,75	8275000.0000.00000
	G3/8	10	2,4	-0,9 ... 6	3 ... 8	0,72	8271100.0000.00000
	3/8 NPT	10	2,4	-0,9 ... 6	3 ... 8	0,72	8275100.0000.00000
	G1/2	12	2,9	-0,9 ... 6	3 ... 8	0,7	8271200.0000.00000
	1/2 NPT	12	2,9	-0,9 ... 6	3 ... 8	0,7	8275200.0000.00000

*1) Cv-value (US) ≈ kv value x 1,2

*2) For gases and liquid fluids up to 25 mm³/s (cSt)

*3) For vacuum inset min. pilot pressure 4 bar

Note: Stainless steel design for number 50, 51, 52

Special applications

Symbol	Application	Port size	Flow kv value (m³/h)	Operating pressure (bar)	Pilot pressure (bar)	Fluid temperature	Ambient / Pilot temperature	Sealing	Model
	Drain valve (general purpose)	G1/4	1,9	-0,9 ... 6	3 ... 8	0 ... +90°C	0 ... +50°C	NBR	8271099.0000.00000
	Odour-trap drain valve	G1/4	1,9	-0,9 ... 6	3 ... 8	0 ... +120°C	-10 ... +50°C	EPDM	8495488.0000.00000
	Odour-trap drain valve	G1/2	2,9	-0,9 ... 6	3 ... 8	0 ... +120°C	-10 ... +50°C	EPDM	8496443.0000.00000
	Drain valve (general purpose)	G1/2	2,9	0 ... 2,5	1,5 ... 8	0 ... +90°C	0 ... +50°C	NBR	8496564.0000.00000
	Oil carry over prevention – drain valve	G1/4	1,9	-0,9 ... 10	3 ... 8	0 ... +150°C	0 ... +150°C	FPM	8499330.0000.00000

Option selector

827★ ★ ★ ★ .0000.00000

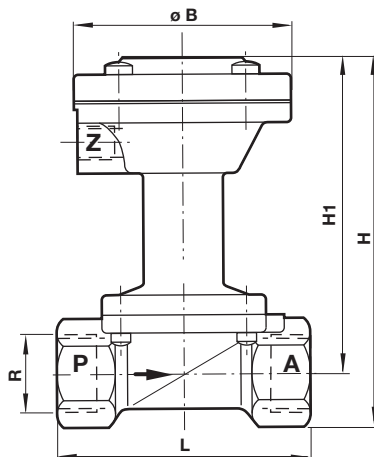
Thread form	Substitute
ISO G	1
NPT	5
Port size	Substitute
1/4	0
3/8	1
1/2	2

Valve options	Substitute
Normally closed (NC) Standard	00
Normally open (NO)	01
Seat seal FPM, FPM-fabric-diaphragm, Fluid temperature +110°C	03
Seat seal EPDM, EPDM-fabric-diaphragm	14
Only for connection G3/8 and G1/2: Seat seal FPM, FPM-fabric-diaphragm Body: Stainless steel (1.4581) Internal parts: Stainless steel (1.4301), Sandvik 1802 Fluid temperature +110°C	51

Dimensions

G1/4 ... 1/2
1/4 ... 1/2 NPT

Dimensions in mm
Projection/First angle



Port size R	B	H	H1	L	Model
G1/4	60	101	86	67	8271000.0000.00000
1/4 NPT	60	101	86	67	8275000.0000.00000
G3/8	60	101	86	67	8271100.0000.00000
3/8 NPT	60	101	86	67	8275100.0000.00000
G1/2	60	101	86	67	8271200.0000.00000
1/2 NPT	60	101	86	67	8275200.0000.00000

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.