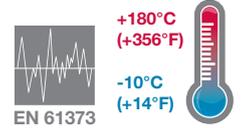


- > Port size: DN 15 ... 50, 1/2" ... 2" (ISO G/NPT)
- > Large size drain or shut-off valve
- > High flow rate
- > Suitable for contaminated process fluids
- > Damped closing (Valves closes against flow direction)
- > Suitable for lower case vacuum up to max. 90%
- > Optical position indicator is standard
- > 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:
Neutral gases max. +60°C (+14°F)

Switching function:
Normally closed

Operation:
Pressure actuated by external fluid

Mounting position:
Optional

Flow direction:
Determined

Port size:
G1/2, G3/4, G1, G1 1/4, G1 1/2, G2 1/2 NPT, 3/4 NPT, 1 NPT, 1 1/4 NPT, 1 1/2 NPT, 2 NPT

Pilot connection:
G1/4 or 1/4 NPT

Operating pressure:
See table

Pilot pressure:
3,5 ... 10 bar (51 ... 145 psi)

Fluid temperature:
-10° ... +180°C (+14° ... +356°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:
Process fluid characteristics:
Body: Dezincification Brass (CW617N)
Seat seal: PTFE
Internal parts: Brass, Stainless steel
Spindle sealing: PTFE / FPM, self-adjustable

Pilot fluid characteristics:
Body: Polyamid 66 with glass fibre 30%
Seat Seals: NBR
Internal parts: Brass, Stainless steel

2/2 way normally closed valves

Symbol	Port size	Orifice (mm)	Flow kv value *1) (m³/h)	Operating pressure *2) (bar)	Weight (kg) *3)	Model *3)
	G1/2	15	4,8	0 ... 16 (25)	1,4	8450200.0000.00000
	1/2 NPT	15	4,8	0 ... 16 (25)	1,4	8451200.0000.00000
	G3/4	20	10	0 ... 10 (16)	1,5	8450300.0000.00000
	3/4 NPT	20	10	0 ... 10 (16)	1,5	8451300.0000.00000
	G1	25	14	0 ... 10	1,8	8450400.0000.00000
	1 NPT	25	14	0 ... 10	1,8	8451400.0000.00000
	G1 1/4	32	23	0 ... 7	2,4	8450500.0000.00000
	1 1/4 NPT	32	23	0 ... 7	2,4	8451500.0000.00000
	G1 1/2	40	30	0 ... 4,5	2,7	8450600.0000.00000
	1 1/2 NPT	40	30	0 ... 4,5	2,7	8451600.0000.00000
	G2	50	37	0 ... 3	3,9	8450700.0000.00000
	2 NPT	50	37	0 ... 3	3,9	8451700.0000.00000

*1) Cv-value (US) ≈ kv value x 1,2

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

*3) Without pilot valve

-Note:

For hazardous areas, e. g. Zone 1/2 or 21/22, the kit 1264287 is required. It contains an additional sign, a silencer as dust shield and a conformity explanation. The maximum fluid temperature is reduced to 85°C.

Option selector

845****.0000.00000

Thread form	Substitute
ISO G	0
NPT	1
Port size	Substitute
1/2"	2
3/4"	3
1"	4
1 1/4"	5
1 1/2"	6
2"	7

Further options (Valves)	Substitute
Normally closed (NO), Standard	00
Normally open (NO), closes with pilot pressure and opens with spring force (pilot pressure 1 ... 10 bar)	01
Double acting; 4/2 or 5/2-way-pilot valve required	08
Electrical position indicator with 2 micro-switches protection class IP 67, LED, 2 m cabel LifYY 2 x 0,25 qmm Type: NAMUR DIN EN 60947-5-6	23
NAMUR interface plate	50

Notes
for 3/2-way pilot valve 84660 / 84680

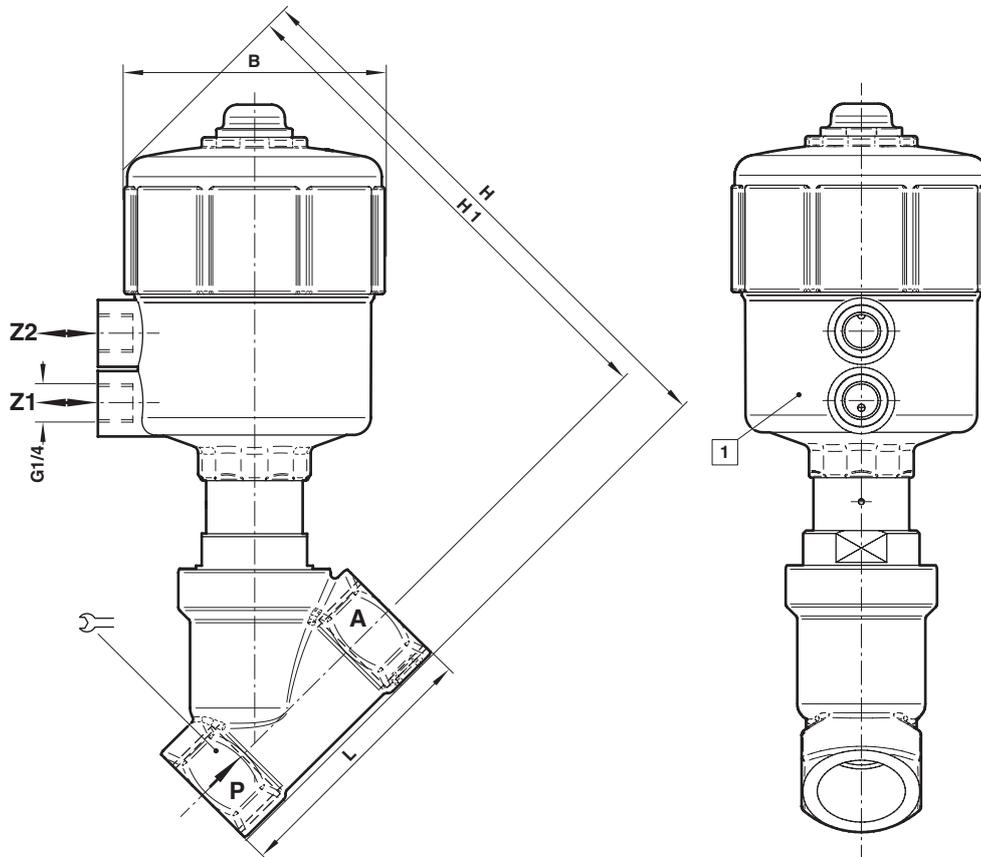
Material	Body Aluminium
Pilot fluid temperature	max. +60°C
Pilot pressure	1 ... 10 bar
Standard voltages	24 V d.c., 24 V a.c., 230 V a.c.

Electrical Data
for 3/2-way pilot valve 84660 / 84680

Design acc. to	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65 with mounted socket
Socket	Form A acc. to DIN EN 175301-803 (included)
Technical data	See publication N/en 5.8.640

Further versions on request!

Dimensions
**G1/2 ... 2
1/2 ... 2 NPT**

 Dimensions in mm
Projection/First angle


1 Actuator may be rotated 360°

Port size	B	H	H1	L		Model
G1/2	89,5	177,5	164	65	27	8450200.0000.00000
1/2 NPT	89,5	177,5	164	65	27	8451200.0000.00000
G3/4	89,5	184	168	75	32	8450300.0000.00000
3/4 NPT	89,5	184	168	75	32	8451300.0000.00000
G1	89,5	194,5	174	90	41	8450400.0000.00000
1 NPT	89,5	194,5	174	90	41	8451400.0000.00000
G1 1/4	89,5	209,5	184,5	110	50	8450500.0000.00000
1 1/4 NPT	89,5	209,5	184,5	110	50	8451500.0000.00000
G1 1/2	89,5	208,5	186	120	55	8450600.0000.00000
1 1/2 NPT	89,5	208,5	186	120	55	8451600.0000.00000
G2	89,5	229,5	194,5	150	70	8450700.0000.00000
2 NPT	89,5	229,5	194,5	150	70	8451700.0000.00000

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.