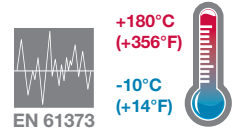


- > **Port size: DN 15 ... 50, 1/2" ... 2" (ISO G/NPT)**
- > **Large size drain or shut-off valve**
- > **High flow rate**
- > **Suitable for contaminated process fluids**
- > **Damped closing (Valves closes against flow direction)**
- > **Suitable for lower case vacuum up to max. 90%**
- > **Optical 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

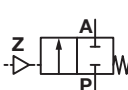
Pilot fluid characteristics:

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.

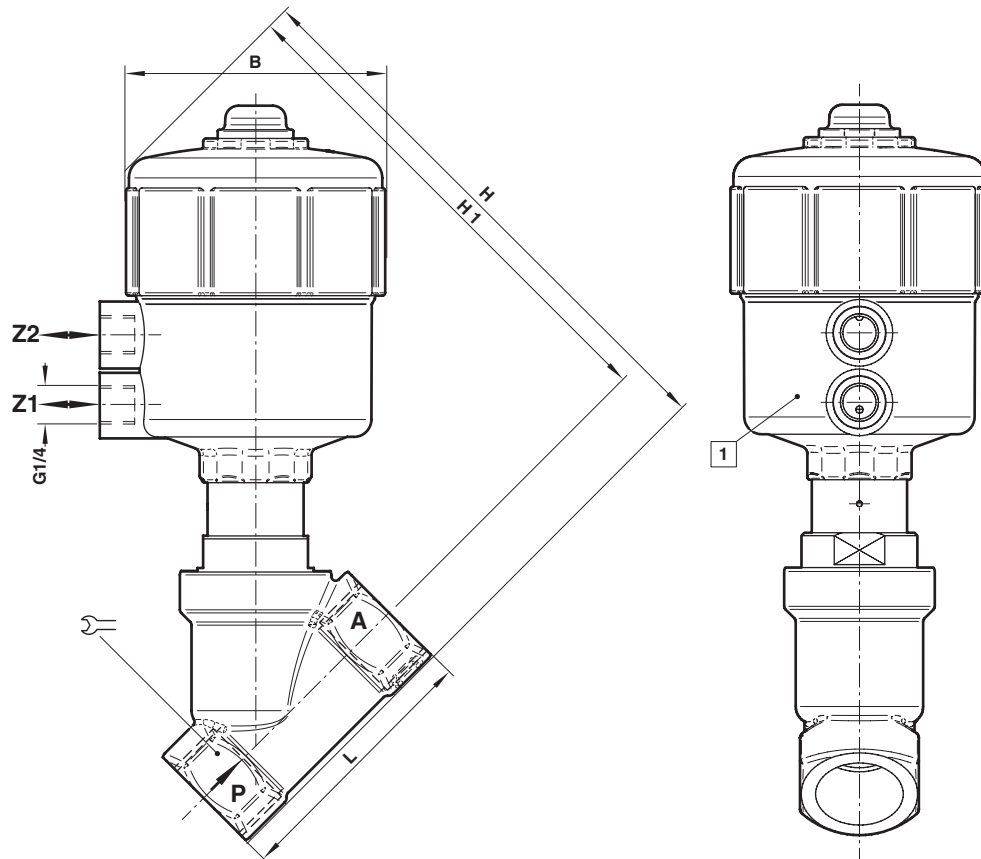
Electrical Data

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