

84720

2/2 way valves (pilot actuated)
1/2" ... 1" (actuator ø 50)

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
Operation:
Remote pilot operated
Mounting:
Internal threads
Port size:
G1/2 ... G 1 or
1/2 NPT ... 1 NPT

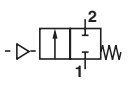
Pilot port:
G1/4 or 1/4 NPT
Operating pressure:
0 ... 16 bar (0 ... 262 psi)
see table
Pilot pressure:
3,5 ... 10 bar (51 ... 116 psi)

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).

Materials
Body: brass
Seat seal: NBR
Internal parts: brass, stainless
steel
Actuator: polymer

Technical data

2/2 way normally closed valves

Symbol	Size	Flow kv value (m³/h)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Model
	G1/2	4,8	0 ... 16	3,5 ... 10	1,3	8472200.0000.00000
	1/2 NPT	4,8	0 ... 16	3,5 ... 10	1,3	8473200.0000.00000
	G3/4	10	0 ... 8	3,5 ... 10	1,4	8472300.0000.00000
	3/4 NPT	10	0 ... 8	3,5 ... 10	1,4	8473300.0000.00000
	G1	14	0 ... 5	3,5 ... 10	1,7	8472400.0000.00000
	1 NPT	14	0 ... 5	3,5 ... 10	1,7	8473400.0000.00000

Option selector

847★★★★.0000.00000

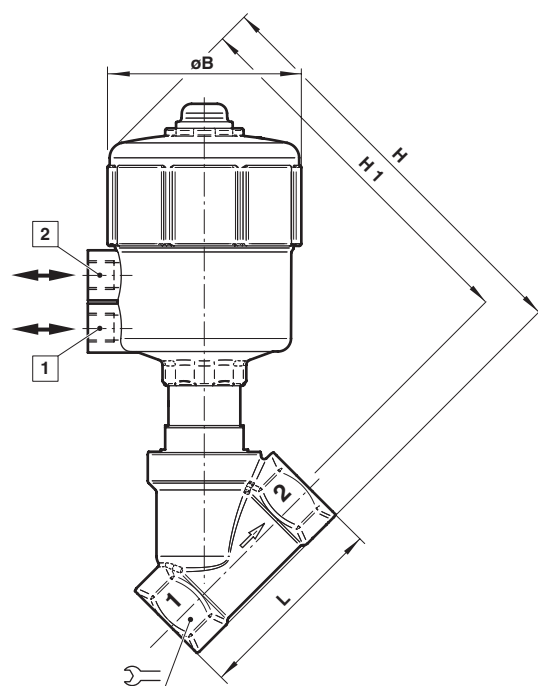
Actuator size	Substitute
ISO G	2
NPT	3
Port size	Substitute
1/2"	2
3/4"	3
1"	4

Valve options	Substitute
NC (normally closed) Standard	00
NO (normally open)	01
Double acting	08
Double electrical position indicator	23
NAMUR interface plate	50

Basic dimensions

Dimensions shown in mm

2/2 way valves



1 Pilot port (normally closed) G1/4 or 1/4 NPT

2 Pilot port (normally open) G1/4 or 1/4 NPT

Supply port	Orifice	Ø B	H	H1	L		Model
G1/2	15	66	154	140,5	65	27	8472200.0000.00000
1/2 NPT	15	66	154	140,5	65	27	8473200.0000.00000
G3/4	20	66	160	144	75	32	8472300.0000.00000
3/4 NPT	20	66	160	144	75	32	8473300.0000.00000
G1	25	66	171	150,5	90	41	8472400.0000.00000
1 NPT	25	66	171	150,5	90	41	8473400.0000.00000

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'. 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 NORGREN.

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.