2/2 way pinch valve

- Different models
- Externally controlled
- Suitable for potentially explosive environment

Product variants described in the data sheet may differ from the product presentation and description.

Type description

The pinch valves consist of a body with a threaded connection or flange connection and a cylindrical sleeve. The valves are normally open (if no pressure is applied). The valves are shut off by applying pressure to the outside of the cylindrical sleeve. Compressed air or water are suitable as control medium. Due to the non-hazardous nature of the control media, the valves can also be used in potentially explosive atmospheres.

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Visit product website

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1. General technical data

1.1. Variant I (with plastic housing and threaded port)

Product properties	
Dimensions	Further information can be found in chapter "5. Dimensions" on page 5.
Material	
Body	POM
Seal	Natural rubber (others on request)
Performance data	
Operating pressure [1.)]	≤ 6 bar
Pilot pressure [1.)]	2...2.5 bar
Medium data	
Operating medium	Gaseous, liquid, granular, pulpy and free-flowing media, dust
Medium temperature	≤ + 80 °C
Control medium	Water, air
Process/Port connection & communication	
Port connection	Threaded port R ½...R 2

1.) Pressure data: overpressure to atmospheric pressure

1.2. Variant II (with grey cast iron housing and threaded port)

Product properties	
Dimensions	Further information can be found in chapter "5. Dimensions" on page 5.
Material	
Body	GG20 with steel fitting
Seal	Natural rubber (others on request)
Performance data	
Operating pressure [1.)]	≤ 6 bar
Pilot pressure [1.)]	2...2.5 bar
Medium data	
Operating medium	Gaseous, liquid, granular, pulpy and free-flowing media, dust
Medium temperature	≤ + 80 °C
Control medium	Water, air
Process/Port connection & communication	
Port connection	Threaded port R ¾, R 1

1.) Pressure data: overpressure to atmospheric pressure

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1.3. Variant III (with cast iron housing and flange)

Product properties	
Dimensions	Further information can be found in chapter "5. Dimensions" on page 5.
Material	
Body	GG20
Flange DN 40...100	GG20
Seal	Natural rubber (others on request)
Performance data	
Operating pressure [1.)]	≤ 4 bar
Pilot pressure [1.)]	1.8...2.0 bar
Medium data	
Operating medium	Gaseous, liquid, granular, pulpy and free-flowing media, dust
Medium temperature	≤ + 80 °C
Control medium	Water, air
Process/Port connection & communication	
Port connection	Flange

1.) Pressure data: overpressure to atmospheric pressure

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

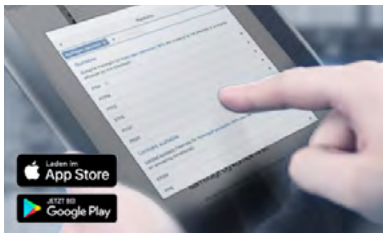
In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start chemical resistance check

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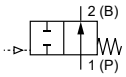
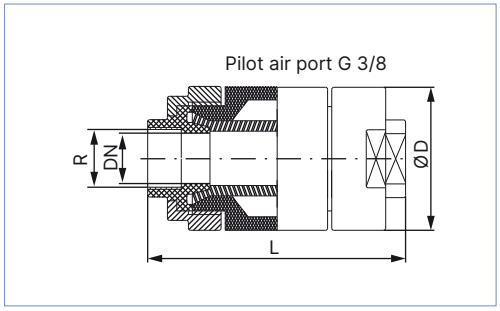
4. Control functions

Symbol	Description
	**Control function B (CF B)** Single-acting actuator for pneumatically operated 2/2-way on/off valve Normally opened by spring force

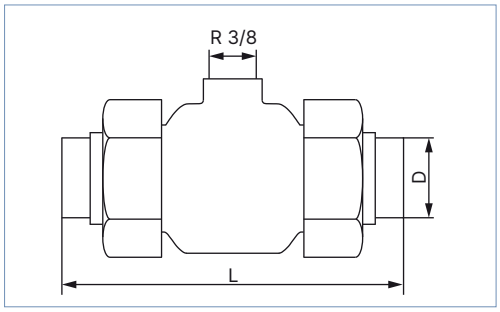
5. Dimensions

5.1. Variant I (with plastic housing and threaded port)



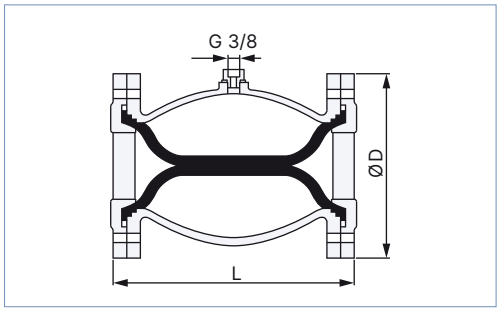
DN	Port connection	L	Ø D	Weight
		[mm]	[mm]	[kg]
15	R ½	130	63	0.4
20	R ¾	142	76	0.55
25	R 1	152	80	0.7
32	R 1¼	189	95	0.8
40	R 1½	202	110	1.5
50	R 2	210	120	2

5.2. Variant II (with grey cast iron housing and threaded port)



DN	Port connection	D	L	Weight
			[mm]	[kg]
20	R ¾	R ¾	140	1.2
25	R 1	R 1	150	1.9

5.3. Variant III (with cast iron housing and flange)



DN	Port connection	L	Ø D	Weight
		[mm]	[mm]	[kg]
40	Flange [1.)]	156	150	8
50	Flange [1.)]	167	165	9.5
65	Flange [1.)]	184	185	12
80	Flange [1.)]	226	200	17.5
100	Flange [1.)]	282	220	22.5

1.) Flange according to DIN 2633 Form C

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6. Ordering information

6.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

6.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

6.3. Ordering chart

Variant	Port connection	DN	Operating pressure [1.)] [bar]	Pilot pressure [1.)] [bar]	Article no.
I	R ½	15	≤ 6	2...2.5	783513
	R ¾	20	≤ 6	2...2.5	783514
	R 1	25	≤ 6	2...2.5	783515
	R 1¼	32	≤ 6	2...2.5	783516
	R 1½	40	≤ 6	2...2.5	783517
	R 2	50	≤ 6	2...2.5	783518
II	R ¾	20	6	2...2.5	783511
	R 1	25	6	2...2.5	783512
III	Flange [2.)]	40	4	1.8...2.0	783502
	Flange [2.)]	50	4	1.8...2.0	783503
	Flange [2.)]	65	4	1.8...2.0	783504
	Flange [2.)]	80	4	1.8...2.0	783505
	Flange [2.)]	100	4	1.8...2.0	783506

1.) Pressure data: overpressure to atmospheric pressure
2.) Flange according to DIN 2633 Form C

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