



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 sleeve or flange connection and a cylindrical sleeve. The valves are pressureless open. 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.

Table of contents

1. General technical data	3
1.1. Version I (with plastic housing and sleeve)	3
1.2. Version II (with grey cast iron housing and sleeve)	3
1.3. Version III (with cast iron housing and flange)	3
2. Circuit functions	4
3. Dimensions	4
3.1. Version I (with plastic housing and sleeve)	4
3.2. Version II (with grey cast iron housing and sleeve)	4
3.3. Version III (with cast iron housing and flange)	4
4. Ordering information	5
4.1. Bürkert eShop – Easy ordering and quick delivery	5
4.2. Bürkert product filter	5
4.3. Ordering chart	5

1. General technical data

1.1. Version I (with plastic housing and sleeve)

Product properties	
Dimensions	Detailed information can be found in chapter “3. Dimensions” on page 4.
Materials	
Body	POM
Seal	Natural rubber (others on request)
Performance data	
Operating pressure ^{1.)}	Max. 6 bar
Pilot pressure ^{1.)}	2...2.5 bar above operating pressure
Medium data	
Media	Gaseous, liquid, granular, pulpy and free-flowing media and dust
Medium temperature	Max. +80 °C
Control medium	Water, air
Product connections	
Port connection	Socket R ½ to R 2

1.) Pressure data: Overpressure to atmospheric pressure

1.2. Version II (with grey cast iron housing and sleeve)

Product properties	
Dimensions	Detailed information can be found in chapter “3. Dimensions” on page 4.
Materials	
Body	GG20 with steel fitting
Seal	Natural rubber (others on request)
Performance data	
Operating pressure ^{1.)}	Max. 6 bar
Pilot pressure ^{1.)}	2...2.5 bar above operating pressure
Medium data	
Media	Gaseous, liquid, granular, pulpy and free-flowing media and dust
Medium temperature	Max. +80 °C
Control medium	Water, air
Product connections	
Port connection	Muffe R ¾, R 1

1.) Pressure data: Overpressure to atmospheric pressure

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

Product properties	
Dimensions	Detailed information can be found in chapter “3. Dimensions” on page 4.
Materials	
Body	GG20
Flange DN40...100	GG20
Seal	Natural rubber (others on request)
Performance data	
Operating pressure ^{1.)}	Max. 4 bar
Pilot pressure ^{1.)}	1.8...2.0 bar above operating pressure
Medium data	
Media	Gaseous, liquid, granular, pulpy and free-flowing media and dust
Medium temperature	Max. +80 °C
Control medium	Water, air
Product connections	
Port connection	Flange

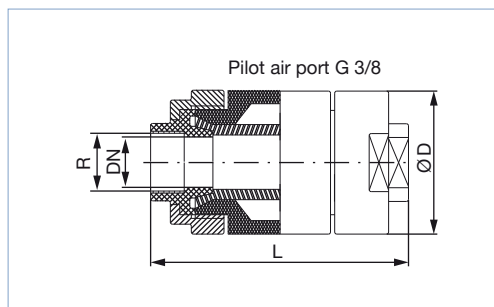
1.) Pressure data: Overpressure to atmospheric pressure

2. Circuit functions

Circuit functions	Description
	Type: B, pneumatically operated on/off valve 2/2 way Flow direction above seat Normally opened by spring force

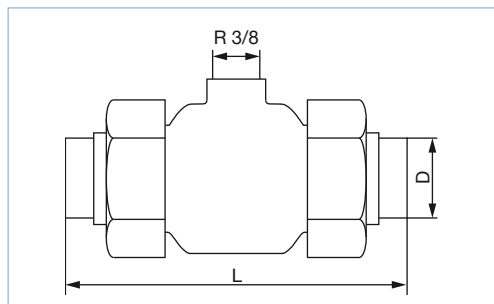
3. Dimensions

3.1. Version I (with plastic housing and sleeve)



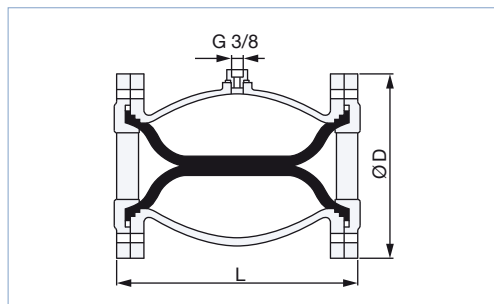
DN [mm]	Port connection	L [mm]	Ø D [mm]	Mass [kg]
15	R ½	130	63	0.4
20	R ¾	142	76	0.55
25	R 1	152	80	0.7
32	R 1 ¼	189	95	0.8
40	R 1 ½	202	110	1.5
50	R 2	210	120	2.0

3.2. Version II (with grey cast iron housing and sleeve)



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

3.3. Version III (with cast iron housing and flange)



DN [mm]	Port connection	L [mm]	Ø D [mm]	Mass [kg]
40	Flange ^{1.)}	156	150	8.0
50	Flange ^{1.)}	167	165	9.5
65	Flange ^{1.)}	184	185	12.0
80	Flange ^{1.)}	226	200	17.5
100	Flange ^{1.)}	282	220	22.5

1.) Flange according to DIN 2633 Form C

4. Ordering information

4.1. Bürkert eShop – Easy ordering and quick delivery

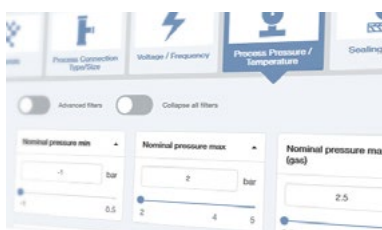


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4.2. Bürkert product filter



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4.3. Ordering chart

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

1.) Flange according to DIN 2633 Form C

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