

GEMÜ PPF

Multifunction adapter



Features

- Protection of the valve seat in diaphragm valves
- Suitable for a weld gas pipeline
- No contamination of the plant by adhesive residues (as in conventional seat masking by welding)
- Suitable for passivation and pipe flushing
- Connection facility for performing pressure tests
- Flushing with full flow capability (no sediments in the valve)
- Re-usable

Description

With the GEMÜ PPF multifunction adapter, the penetration of foreign particles during the installation of diaphragm valves can be prevented. Immediately following disassembly of the actuator and diaphragm, the adapter is mounted on the valve body, thereby offering protection for the valve seat. After the multifunction adapter has been mounted, this can be used as a weld gas pipeline for welding the body onto the piping. The subsequent introduction or conveying of the passivation media for surface corrosion protection can also be performed using GEMÜ PPF. The adapter can also be used for endoscopic examination of the weld seams. In this process, the camera is introduced into the piping system via the PPF connections.

Technical specifications

- Material: 1.4435, investment casting
- Seal material: EPDM
- Diaphragm sizes: 8 | 10 | 25 | 40 | 50 | 80 | 100
- Max. operating pressure: 16 bar
- Conformities: FDA | USP



Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Order codes

1 Type	Code
Multifunction adapter for diaphragm seat	PPF

2 DN	Code
DN 8	8
DN 10	10
DN 25	25
DN 40	40
DN 50	50
DN 80	80
DN 100	100

3 Body configuration	Code
Suitable for body configuration D,T,B,M	Z

4 Connection type	Code
Spigot ASME BPE, spigot length 7 mm	U9
Clamp ASME BPE	88

5 Material	Code
1.4435, investment casting	C3

6 Seal material	Code
EPDM	EP

7 Function	Code
closed via the weir	1

8 Diaphragm size	Code
Diaphragm size 8	8
Diaphragm size 10	10
Diaphragm size 25	25
Diaphragm size 40	40
Diaphragm size 50	50
Diaphragm size 80	80
Diaphragm size 100	100

9 Version	Code
Standard version	A

Order example

Order option	Code	Description
1 Type	PPF	Multifunction adapter for diaphragm seat
2 DN	40	DN 40
3 Body configuration	Z	Suitable for body configuration D,T,B,M
4 Connection type	88	Clamp ASME BPE
5 Material	C3	1.4435, investment casting
6 Seal material	EP	EPDM
7 Function	1	closed via the weir
8 Diaphragm size	40	Diaphragm size 40
9 Version	A	Standard version

Technical data

Medium

Working medium: Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and seal material.

Temperature

Media temperature: -10 to 100 °C

Pressure

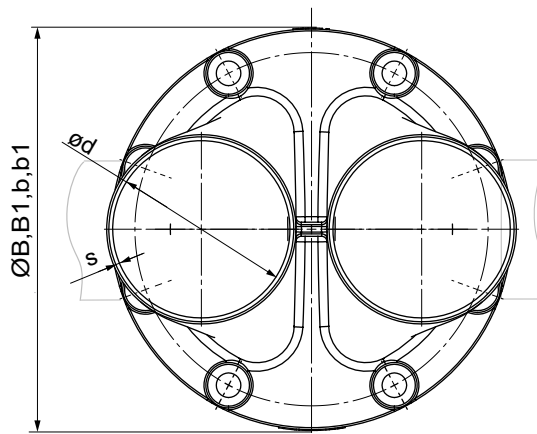
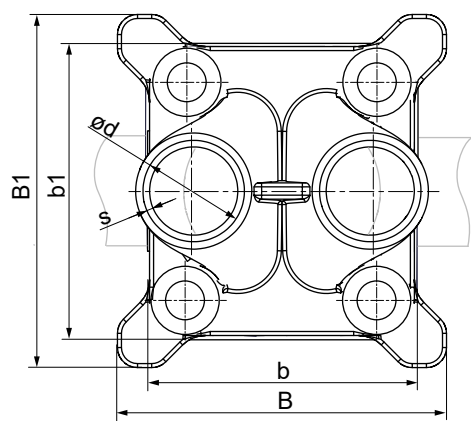
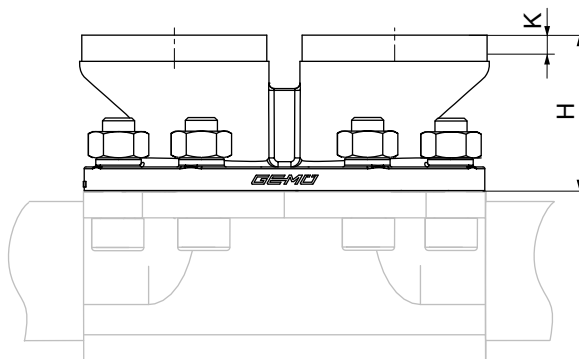
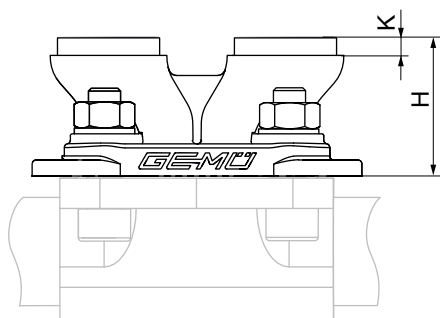
Operating pressure: max. 16 bar

Product compliance

Foodstuffs: USP Class VI
FDA 21 CFR 177.2600

Dimensions

Spigot ASME BPE (connection type code U9)



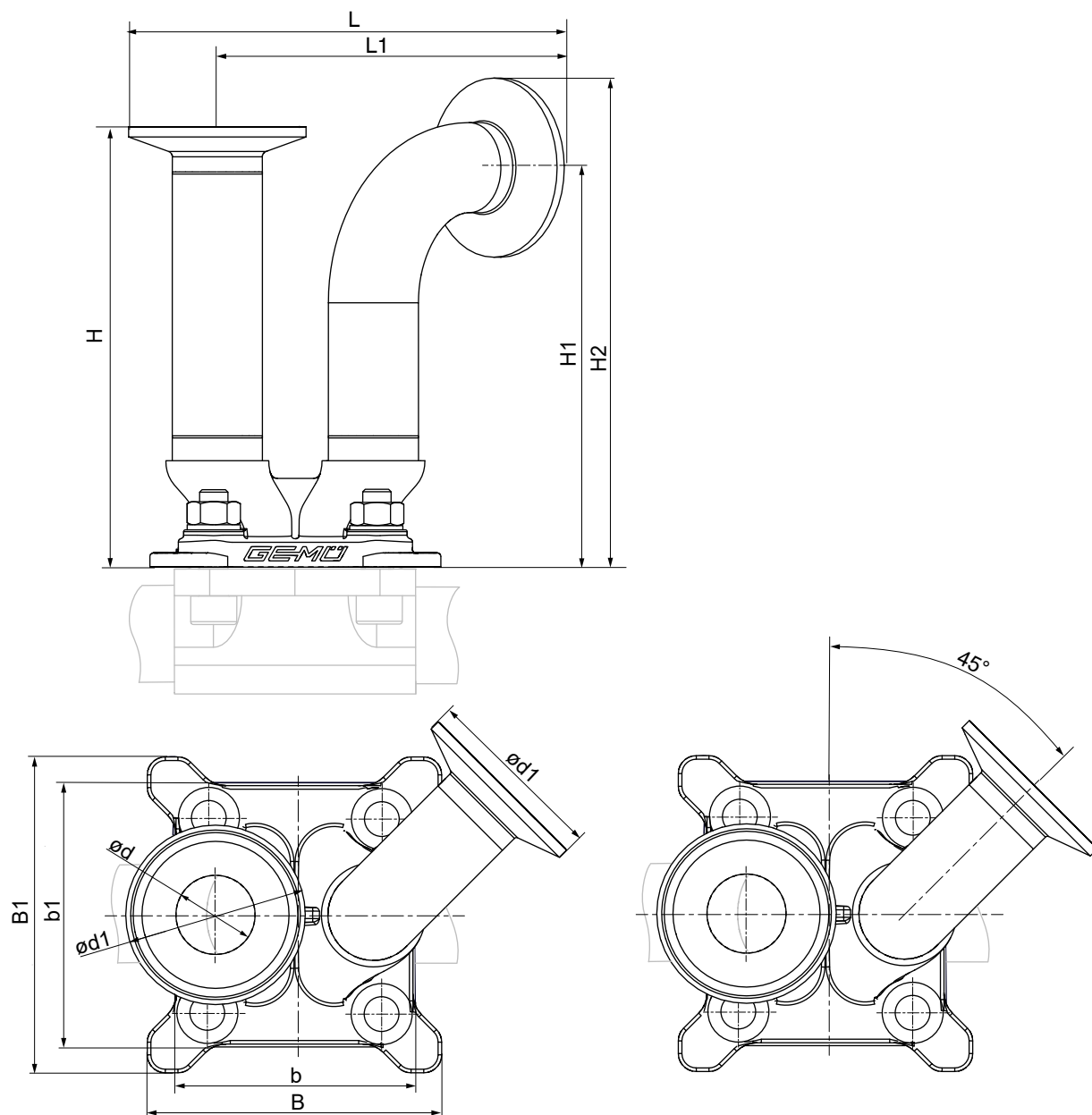
MG 8 - 80

MG 100

MG	B	B1	b	b1	s	Ød	H	K
8	42	42	32	32	0.89	6.4	27.3	7
10	66	61	55	50	0.89	9.5	32.6	7
25	82	88	66	72	1.65	25.4	37.0	7
40	107	112	90	95	1.65	38.1	43.0	7
50	124	130	104	110	1.65	50.8	52.0	7
80	174	185	154	165	1.65	76.2	62.7	7
100	Ø220	Ø220	Ø220	Ø220	2.11	101.6	78.0	7

Dimensions in mm, MG = diaphragm size

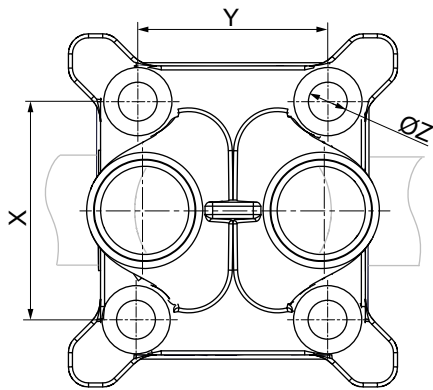
Clamp ASME BPE (connection type code 88)



MG	B	B1	b	b1	Ød	Ød1	L	L1	H	H1	H2
8	42	42	32	32	6.4	25.0	72.5	60.0	100.2	93.4	105.9
10	66	61	55	50	9.5	25.0	79.5	67.0	104.4	98.7	111.2
25	82	88	66	72	25.4	50.5	123.0	97.8	124.1	112.6	137.9
40	107	112	90	95	38.1	50.5	150.5	125.3	155.1	137.7	163.0
50	124	130	104	110	50.8	64.0	187.5	155.5	251.1	172.1	204.1
80	174	185	154	165	76.2	91.0	263.5	218.0	227.5	220.9	266.4
100	Ø220	Ø220	Ø220	Ø220	101.6	119.0	342.0	282.5	240.0	280.6	340.1

Dimensions in mm, MG = diaphragm size

Mounting holes



MG	X	Y	ØZ
8	22	22	4.5
10	39	44	5.5
25	54	46	9.0
40	70	65	11.0
50	82	78	13.0
80	127	114	18.0
100	Ø194	Ø194	13.5

Dimensions in mm, MG = diaphragm size



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