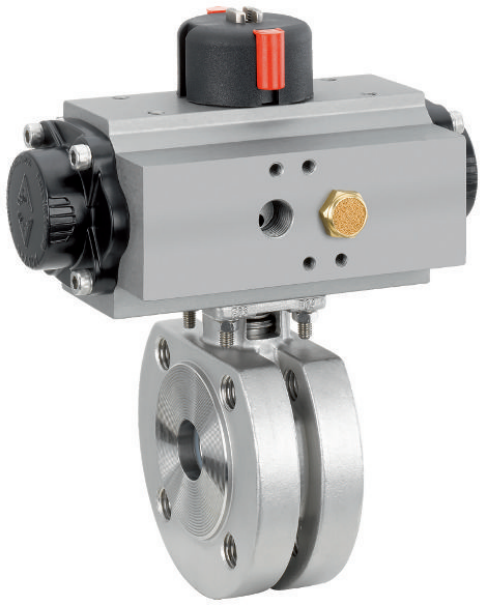
GEMÜ B46

Pneumatically operated compact flanged ball valve



Features

- High flow rates
- Full-flow bore
- Adjustable travel stops
- Antistatic device

Description

The GEMÜ B46 2/2-way metal ball valve is pneumatically operated. The seat seal is made of PTFE.

Technical specifications

- **Media temperature:** -20 to 180 °C
- **Ambient temperature:** -20 to 60 °C
- **Operating pressure :** 0 to 40 bar
- **Nominal sizes:** DN 15 to 100
- **Body configurations:** 2/2-way body
- **Connection types:** Flange
- **Connection standards:** ANSI I EN
- **Body materials:** 1.4408, investment casting material
- **Seal materials:** PTFE
- **Conformities:** ATEX

Technical data depends on the respective configuration

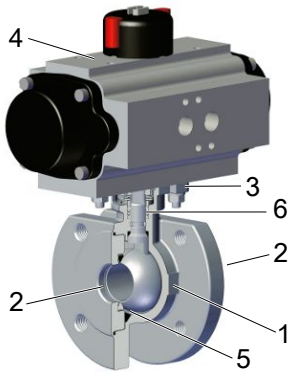
further information
webcode: GW-B46

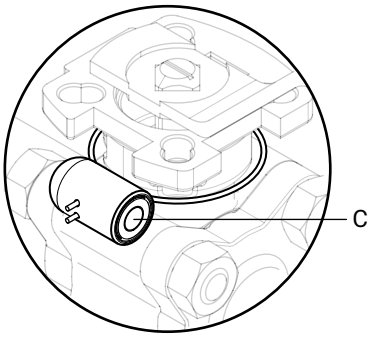
Product line

				
	GEMÜ BB06	**GEMÜ B26**	**GEMÜ B46**	**GEMÜ B56**
Operation				
With bare shaft	●	-	-	-
Manual	-	●	-	-
Pneumatic	-	-	●	-
Motorized	-	-	-	●
Nominal sizes	DN 15 to 100	DN 15 to 100	DN 15 to 100	DN 15 to 100
Media temperature	-20 to 180 °C	-20 to 180 °C	-20 to 180 °C	-20 to 180 °C
Operating pressure *	0 to 40 bar	0 to 40 bar	0 to 40 bar	0 to 40 bar
Connection types				
Flange	●	●	●	●

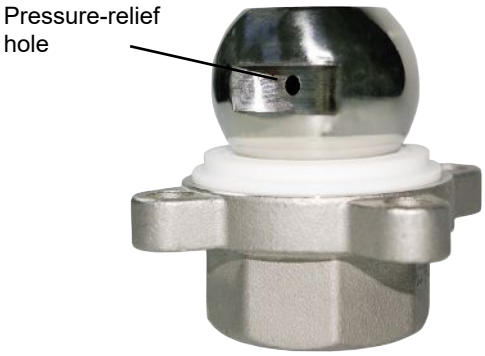
* depending on version and/or operating parameters

Product description

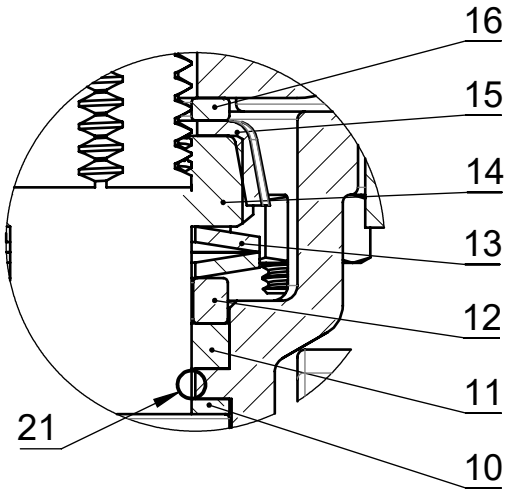




Item	Name	Materials
1	Ball valve body	1.4408 / CF8M
2	Pipe connections	1.4408 / CF8M
3	Mounting flange ISO 5211	1.4408 / CF8M
4	Pneumatic actuator	Aluminium
5	Seal	PTFE
6	Antistatic unit	1.4408
C	CONEXO RFID chip (see “GEMÜ CONEXO“, page 18)	



The spindle seal system



Item	Name	Material
10	Seal	PTFE
11	V-ring	PTFE
12	Stainless steel sleeve	SS304–1.4301
13	Spring washer	SS304–1.4301
14	Spindle nut	A2 70
15	Cap	SS304–1.4301
16	Washer	SS304–1.4301
21	O-ring (spindle seal)	Viton

Long service life due to triple spindle seal

- Conical spindle seal:
The seal **10** arranged at an angle of 45° effectively prevents the leakage of media when operating the spindle
- O-ring:
Stabilising spindle seal **21** with low wear and long service life
- Pretensioned self-adjusting spindle seal:
The spindle packing consists of several V-rings **11**, a spring washer **13** and a stainless steel sleeve **12**. The spring washer **13** is pretensioned via the spindle nut **14**. The pretension force is distributed to the V-rings **11** via the stainless steel sleeve **12**, thereby preventing the leakage of media. The pretension provides low maintenance and reliable spindle sealing even after a long service life.

Actuator assignment

GEMÜ type GDR/GSR

DN	Double acting	Code		Single acting	Code
15	GDR0050 F03/05 S11A	HR05AW		GSR0065 SC5F05/07 S14A	GR06SP
20	GDR0050 F03/05 S11A	HR05AW		GSR0065 SC5F05/07 S14A	GR06SP
25	GDR0050 F03/05 S11A	HR05AW		GSR0075 SC5F05/07 S14A	GR07SP
32	GDR0050 F03/05 S11A	HR05AW		GSR0075 SC5F05/07 S14A	GR07SP
40	GDR0065 F05/07 S14A	HR06AP		GSR0085 SC5F05/07 S14A	GR08SP
50	GDR0085 F05/07 S17A	HR08AC		GSR0115 SC5F07/10 S17A	GR11SE
65	GDR0085 F05/07 S17A	HR08AC		GSR0125 SC5F07/10 S17A	GR12SE
80	GDR0115 F07/10 S17A	HR11AE		GSR0140 SC5F10/12 S22A	GR14SA
100	GDR0115 F07/10 S17A	HR11AE		GSR0180 S14F10/14 S27A	GR18KB

GEMÜ type ADA/ASR

DN	Double acting	Code		Single acting	Code
15	ADA0020U F04YS14/S11A	BU02AA0		ASR0020US08 F04YS14/S11A	AU02FA0
20	ADA0020U F04YS14/S11A	BU02AA0		ASR0020US08 F04YS14/S11A	AU02FA0
25	ADA0020U F04YS14/S11A	BU02AA0		ASR0040US14 F05YS14/S11A	AU04KB0
32	ADA0020U F04YS14/S11A	BU02AA0		ASR0080US14F05F07YS17/S14A	AU08KC0
40	ADA0040U F05YS14/S11A	BU04AB0		ASR0080US14F05F07YS17/S14A	AU08KC0
50	ADA0040U F05YS14/S11A	BU04AB0		ASR0130US14F05F07YS17/S14A	AU13KC0
65	ADA0080U F05F07YS17/S14A	BU08AC0		ASR0200US14F07F10YS17/S14A	AU20KE0
80	ADA0080U F05F07YS17/S14A	BU08AC0		ASR0200US14F07F10YS17/S14A	AU20KE0
100	ADA0130U F05F07YS17/S14A	BU13AC0		ASR0300US14F07F10YS22 A	AU30KD0

GEMÜ type DR/SC

DN	Double acting	Code		Single acting	Code
15	DR0015U F04NS11 A	DU01AO0		SC0030U 6 F04NS11 A	SU03KO0
20	DR0015U F04NS11 A	DU01AO0		SC0030U 6 F04NS11 A	SU03KO0
25	DR0015U F04NS11 A	DU01AO0		SC0060U 6F05F07NS14 A	SU06KP0
32	DR0015U F04NS11 A	DU01AO0		SC0060U 6F05F07NS14 A	SU06KP0
40	DR0030U F05F07NS14 A	DU03AP0		SC0100U 6F05F07NS17 A	SU10KC0
50	DR0030U F05F07NS14 A	DU03AP0		SC0100U 6F05F07NS17 A	SU10KC0
65	DR0060U F05F07NS17 A	DU06AC0		SC0150U 6F05F07NS17 A	SU15KC0
80	DR0100U F05F07NS17 A	DU10AC0		SC0220U 6F07F10NS22 A	SU22KD0
100	DR0100U F05F07NS17 A	DU10AC0		SC0220U 6F07F10NS22 A	SU22KD0

Application

- Heating systems
- Beverage industry
- Foodstuff industry
- Chemical industry
- Drinking water installations
- Processing industry
- HVAC

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
Ball valve, metal, pneumatically operated, one-piece body, compact flange, aluminium double piston actuator	B46

2 DN	Code
DN 15	15
DN 20	20
DN 25	25
DN 32	32
DN 40	40
DN 50	50
DN 65	65
DN 80	80
DN 100	100

3 Body/ball configuration	Code
2/2-way body	D

4 Connection type	Code
Flange ANSI Class 125/150 RF	39
Flange EN 1092, PN 16/PN40, form B DN 15 to DN 80, flange EN 1092, PN 16, form B DN 100 only	68

5 Ball valve material	Code
1.4408 / CF8M (body, connection), 1.4401 / SS316 (ball, shaft)	37

6 Seal material	Code
PTFE	5

7 Control function	Code
Normally closed (NC)	1
Normally open (NO)	2
Double acting (DA)	3

8 Actuator version	Code
Actuator GEMÜ GDR	
Actuator, pneumatic, double acting, clockwise rotation, GDR0050 F03/05 S11	HR05AW
Actuator, pneumatic, double acting, clockwise rotation, GDR0065 F05/07 S14	HR06AP
Actuator, pneumatic, double acting, clockwise rotation, GDR0085 F05/07 S17	HR08AC
Actuator, pneumatic, double acting, clockwise rotation, GDR0115 F07/10 S17	HR11AE
Actuator GEMÜ GSR	
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0065 SC5F05/07 S14	GR06SP
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0075 SC5F05/07 S17	GR07SC
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0085 SC5F05/07 S14	GR08SP
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0115 SC5F07/10 S17	GR11SE
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0125 SC5F07/10 S17	GR12SE
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0140 SC5F10/12 S22	GR14SA
Actuator, pneumatic, single acting, clockwise rotation, spring closing, GSR0180 S14F10/14 S27	GR18KB
Actuator GEMÜ ADA	
Actuator, pneumatic, double acting, clockwise rotation, ADA0020U F04 S14S11	BU02AA
Actuator, pneumatic, double acting, clockwise rotation, ADA0040U F05 S14S11	BU04AB
Actuator, pneumatic, double acting, clockwise rotation, ADA0080U F05/07S17S14	BU08AC
Actuator, pneumatic, double acting, clockwise rotation, ADA0130U F05/07S17S14	BU13AC
Actuator GEMÜ ASR	
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0020US08F04 S14S11	AU02FA
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0040US14F05 S14S11	AU04KB

8 Continuation of Actuator version	Code
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0080US14F05/07S17S14	AU08KC
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0130US14F05/07S17S14	AU13KC
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0200US14F07/10S17S14	AU20KE
Actuator, pneumatic, single acting, clockwise rotation, spring closing, ASR0300US14F07/10 S22	AU30KD
Actuator GEMÜ DR	
Actuator, pneumatic, double acting, clockwise rotation, DR0015U F04 S11	DU01AO
Actuator, pneumatic, double acting, clockwise rotation, DR0030U F05/07 S14	DU03AP
Actuator, pneumatic, double acting, clockwise rotation, DR0060U F05/07 S17	DU06AC
Actuator, pneumatic, double acting, clockwise rotation, DR0100U F05/07 S17	DU10AC
Actuator, pneumatic, double acting, clockwise rotation, DR0150U F07/10 S22	DU15AD
Actuator GEMÜ SC	
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0030U 6F04 S11	SU03KO

8 Continuation of Actuator version	Code
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0030U 6F05/07 S14	SU03KP
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0100U 6F05/07S17D11	SU10KC
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0150U 6F05/07 S17	SU15KC
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0220U 6F07/10 S22	SU22KD
Actuator, pneumatic, single acting, clockwise rotation, spring closing, SC0300U 6F07/10 S22	SU30KD

9 Actuator particulars	Code
Gen. industrial version, body alu, anodising layer 25-35µm, end caps alu, powder coated, shaft C steel + ENP, bolts A2	0

10 Type of design	Code
Standard	
Thermal separation between actuator and valve body via mounting kit	5222

11 CONEXO	Code
without	
Integrated RFID chip for electronic identification and traceability	C

Order example

Order option	Code	Description
1 Type	B46	Ball valve, metal, pneumatically operated, one-piece body, compact flange, aluminium double piston actuator
2 DN	25	DN 25
3 Body/ball configuration	D	2/2-way body
4 Connection type	39	Flange ANSI Class 125/150 RF
5 Ball valve material	37	1.4408 / CF8M (body, connection), 1.4401 / SS316 (ball, shaft)
6 Seal material	5	PTFE
7 Control function	1	Normally closed (NC)
8 Actuator version	HR05AW	Actuator, pneumatic, double acting, clockwise rotation, GDR0050 F03/05 S11
9 Actuator particulars	0	Gen. industrial version, body alu, anodising layer 25-35µm, end caps alu, powder coated, shaft C steel + ENP, bolts A2
10 Type of design		Standard
11 CONEXO		without Integrated RFID chip for electronic identification and traceability

Technical data

Medium

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

Temperature

Media temperature: -20 to 180 °C

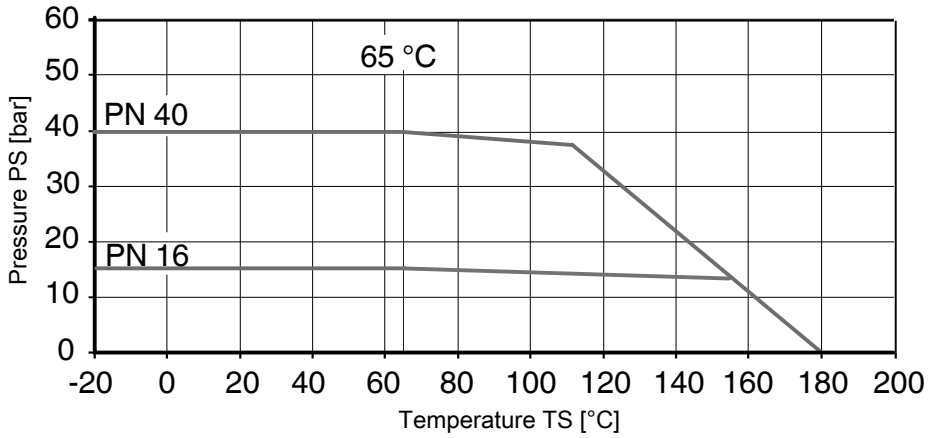
Ambient temperature: -20 to 60 °C
Higher temperatures on request

Storage temperature: 0 to 40 °C

Pressure

Leakage rate: Leakage rate according to ANSI FCI70 – B16.104
Leakage rate according to EN12266, 6 bar air, leakage rate A

Pressure/temperature diagram:



Pressure rating: DN 15 – 50: PN40
DN 65 – 100: PN16

Kv values:

DN	NPS	Kv values
15	1/2"	12.8
20	3/4"	29.1
25	1"	47.8
32	1¼"	2.6
40	1½"	0.2
50	2"	213.7
65	2½"	273.3
80	3"	495.3
100	4"	871.1

Kv values in m³/h

Kv values:

V-ball 30° (code U)

DN	NPS	Opening angle										
		0	15%	20%	30%	40%	50%	60%	70%	80%	90%	100%
8	**1/4"**	0	0.019	0.044	0.088	0.151	0.232	0.327	0.446	0.576	0.727	0.885
10	**3/8"**	0	0.021	0.05	0.1	0.172	0.265	0.374	0.51	0.659	0.83	1.012
15	**1/2"**	0	0.085	0.085	0.17	0.255	0.425	0.68	0.935	1.36	1.87	2.21
20	**3/4"**	0	0.085	0.17	0.425	0.595	0.935	1.53	2.04	2.805	3.825	4.59
25	**1"**	0	0.085	0.255	0.68	1.105	1.955	2.975	4.335	8.33	7.225	8.5
32	**1¼"**	0	0.17	0.34	0.935	1.7	3.145	4.675	6.8	8.5	11.05	12.75
40	**1½"**	0	0.255	0.51	1.36	2.55	4.25	6.375	9.35	11.9	14.45	17
50	**2"**	0	0.34	1.02	3.23	5.1	8.5	12.75	19.55	26.35	36.55	51
65	**2½"**	0	0.34	0.85	3.4	6.8	10.2	15.3	23.8	31.45	52.7	63.75
80	**3"**	0	0.425	1.02	3.4	6.8	11.9	19.55	28.05	39.1	55.25	69.7
100	**4"**	0	0.51	1.7	5.1	12.75	24.65	40.8	60.35	85	110.5	135.2

Kv values in m³/h

V-ball 60° (code V)

DN	NPS	Opening angle										
		0	15%	20%	30%	40%	50%	60%	70%	80%	90%	100%
8	**1/4"**	0	0.026	0.06	0.141	0.249	0.372	0.539	0.762	1.034	1.38	1.845
10	**3/8"**	0	0.03	0.068	0.161	0.285	0.425	0.616	0.871	1.182	1.577	2.108
15	**1/2"**	0	0.085	0.085	0.255	0.425	0.765	1.19	1.7	2.805	3.74	5.1
20	**3/4"**	0	0.085	0.17	0.595	0.85	1.445	2.38	3.4	5.525	7.65	10.2
25	**1"**	0	0.17	0.34	0.935	1.53	2.89	4.505	6.715	10.46	13.01	17.85
32	**1¼"**	0	0.17	0.51	1.53	2.55	4.675	8.075	10.88	16.15	22.1	33.15
40	**1½"**	0	0.34	0.68	2.125	3.4	6.8	11.05	16.15	22.95	34	44.2
50	**2"**	0	0.34	1.275	3.91	7.65	14.03	22.95	33.15	46.75	70.55	93.5
65	**2½"**	0	0.34	1.275	4.25	8.5	17.85	28.9	45.05	63.75	87.55	127.5
80	**3"**	0	0.425	2.125	5.1	11.9	21.25	34	55.25	77.35	108.8	140.3
100	**4"**	0	0.595	2.55	9.35	21.25	34	50.15	76.5	119.9	180.2	302.6

Kv values in m³/h

V-ball 90° (code W)

DN	NPS	Opening angle										
		0	15%	20%	30%	40%	50%	60%	70%	80%	90%	100%
8	**1/4"**	0	0.037	0.086	0.212	0.39	0.658	1.008	1.391	1.837	2.332	3.012
10	**3/8"**	0	0.043	0.098	0.242	0.446	0.752	1.152	1.59	2.1	2.665	3.443
15	**1/2"**	0	0.085	0.17	0.34	0.51	0.765	1.275	1.87	3.23	4.59	5.865
20	**3/4"**	0	0.17	0.34	0.68	1.02	1.7	2.635	3.91	6.8	9.605	11.9
25	**1"**	0	0.17	0.51	1.53	2.89	4.335	6.885	9.69	13.6	17.85	24.65
32	**1¼"**	0	0.255	0.68	1.7	4.25	6.8	11.9	16.15	23.8	33.15	46.75
40	**1½"**	0	0.425	0.765	2.975	5.95	11.05	17	26.35	35.7	53.55	66.3
50	**2"**	0	0.595	1.7	5.1	10.2	18.7	29.75	38.25	59.5	89.25	114.8
65	**2½"**	0	0.425	1.445	5.95	11.9	23.8	40.8	59.5	90.1	136	185.3
80	**3"**	0	0.595	2.975	6.8	15.3	29.75	51	76.5	114.8	174.3	263.5
100	**4"**	0	0.85	2.975	13.6	34	63.75	106.3	161.5	250.8	375.7	569.5

Kv values in m³/h

Control pressure:	6 to 8 bar

Product conformities

Machinery Directive:	2006/42/EC
Pressure Equipment Directive:	2014/68/EU
Explosion protection:	ATEX (2014/34/EU) and IECEx, order code Special version X
ATEX marking:	The ATEX marking of the product depends on the respective product configuration with valve body and actuator. It can be found in the product-specific ATEX documentation and the ATEX type plate.

Mechanical data

Torques:

DN	NPS	Breakaway torque
15	**1/2"**	7
20	**3/4"**	8
25	**1"**	10
32	**1¼"**	14
40	**1½"**	29
50	**2"**	58
65	**2½"**	62
80	**3"**	120
100	**4"**	174

Torques in Nm

Weight:

Ball valve

DN	NPS	Weight
15	**1/2"**	1.3
20	**3/4"**	2.0
25	**1"**	2.8
32	**1¼"**	4.2
40	**1½"**	5.3
50	**2"**	6.7
65	**2½"**	11.9
80	**3"**	14.9
100	**4"**	20.4

Weights in kg

Actuator type GDR/GSR

Type	GDR	GSR
0050	1.1	1.2
0065	1.5	1.8
0075	2.6	3.2
0085	3.4	4.3
0100	5.1	6.6
0115	8	10.6
0125	10	13.4
0140	11	17.2
0160	19.5	24.4
0180	26	37.5

Weights in kg

Weight:

Actuator type ADA/ASR

Type	ADA double acting	ASR single acting
0020U	1.4	1.5
0040U	2.1	2.3
0080U	3	3.7
0130U	3.8	4.8
0200U	5.6	7.3
0300U	8.5	10.8

Weights in kg

Actuator DR/SC

Type	DR double acting	SC single acting
0015U	1.0	1.1
0030U	1.6	1.7
0060U	2.7	3.1
0100U	3.7	4.3
0150U	5.2	6.1
0220U	8.0	9.3

Weights in kg

90° travel:

GEMÜ GDR/GSR: ±5° adjustable (85° - 95°)
GEMÜ ADA /ASR: ±5° adjustable (85° - 95°)
GEMÜ DR /SC: 20° adjustable (75° - 95°)

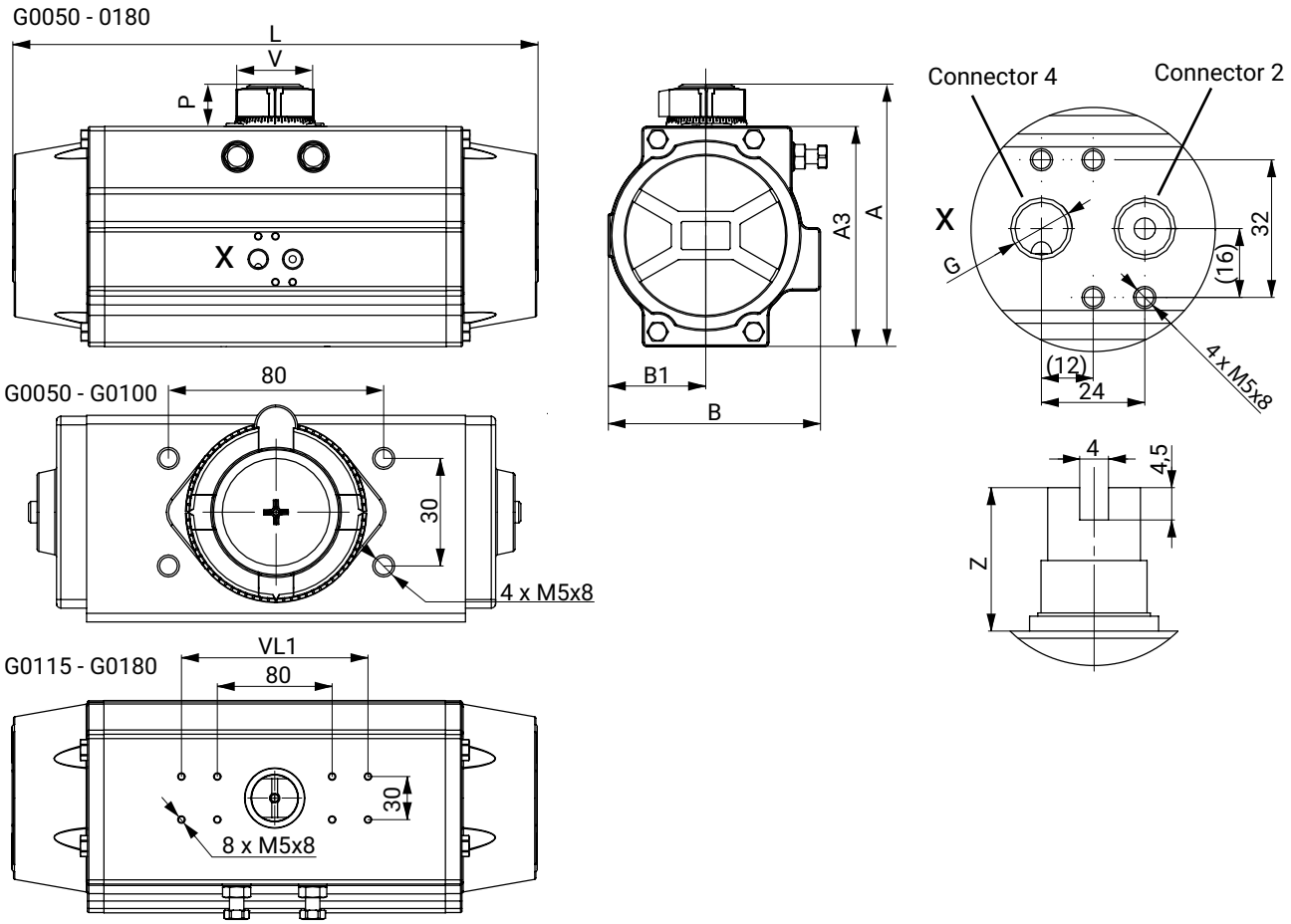
Dimensions

Actuator dimensions

Note on actuator mounting:
Standard mounting orientation – actuator positioned in-line with piping
Only with flanged connections the actuator is mounted across the piping

Actuator type GDR/GSR

Type G0050 – G0180

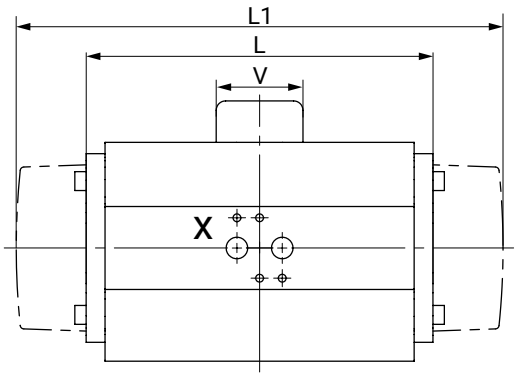


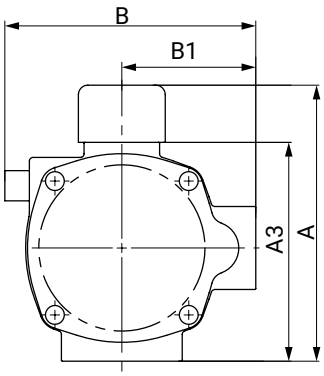
Type	A	A3	B	B1	V	G	P	VL	Z	L	VL1
G0032	67.5	45.5	49.0	26.5	40.0	G1/8"	22.0	50.0	20.0	115.0	-
G0050	92.0	70.0	71.0	30.0	40.0	G1/8"	22.0	80.0	20.0	141.0	-
G0065	102.5	80.5	80.5	35.5	40.0	G1/8"	22.0	80.0	20.0	162.0	-
G0075	119.0	97.0	94.5	42.0	40.0	G1/8"	22.0	80.0	20.0	208.0	-
G0085	130.5	108.5	106.0	47.5	40.0	G1/8"	22.0	80.0	20.0	237.0	-
G0100	143.5	121.5	123.0	55.0	40.0	G1/8"	22.0	80.0	20.0	271.5	-
G0115	174.0	142.0	137.0	64.0	65.0	G1/4"	32.0	80.0	30.0	337.0	130.0
G0125	185.5	153.5	148.0	68.0	65.0	G1/4"	32.0	80.0	30.0	366.0	130.0
G0140	207.9	175.9	164.0	76.5	65.0	G1/4"	32.0	80.0	30.0	428.5	130.0
G0160	225.0	193.0	188.0	88.0	65.0	G1/4"	32.0	80.0	30.0	512.0	130.0
G0180	251.0	219.0	212.5	96.5	65.0	G1/4"	32.0	80.0	30.0	573.0	130.0

Dimensions in mm

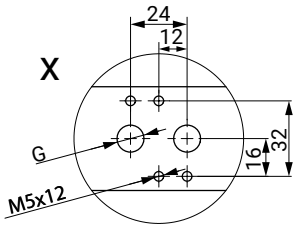
Actuator type ADA/ASR

Type 00010 - 4000U

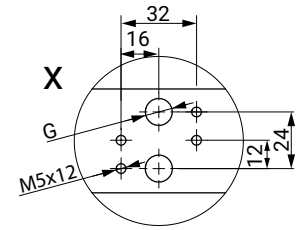




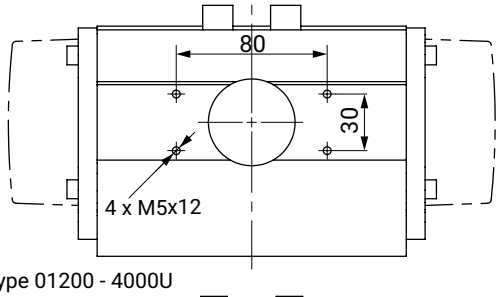
Type 00010 - 1750U



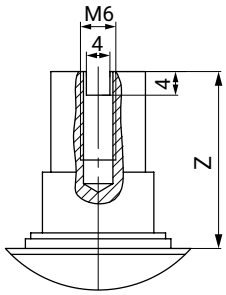
Type 02100 - 4000U



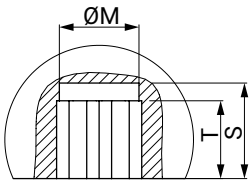
Type 00010 - 0850U



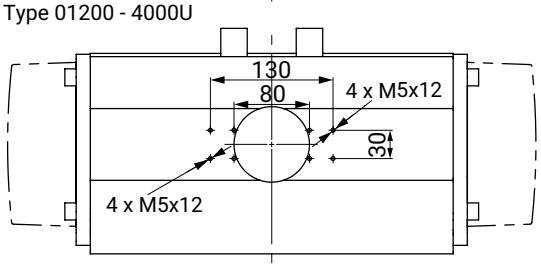
Type 00010 - 4000U



Type 00010 - 4000U



Type 01200 - 4000U

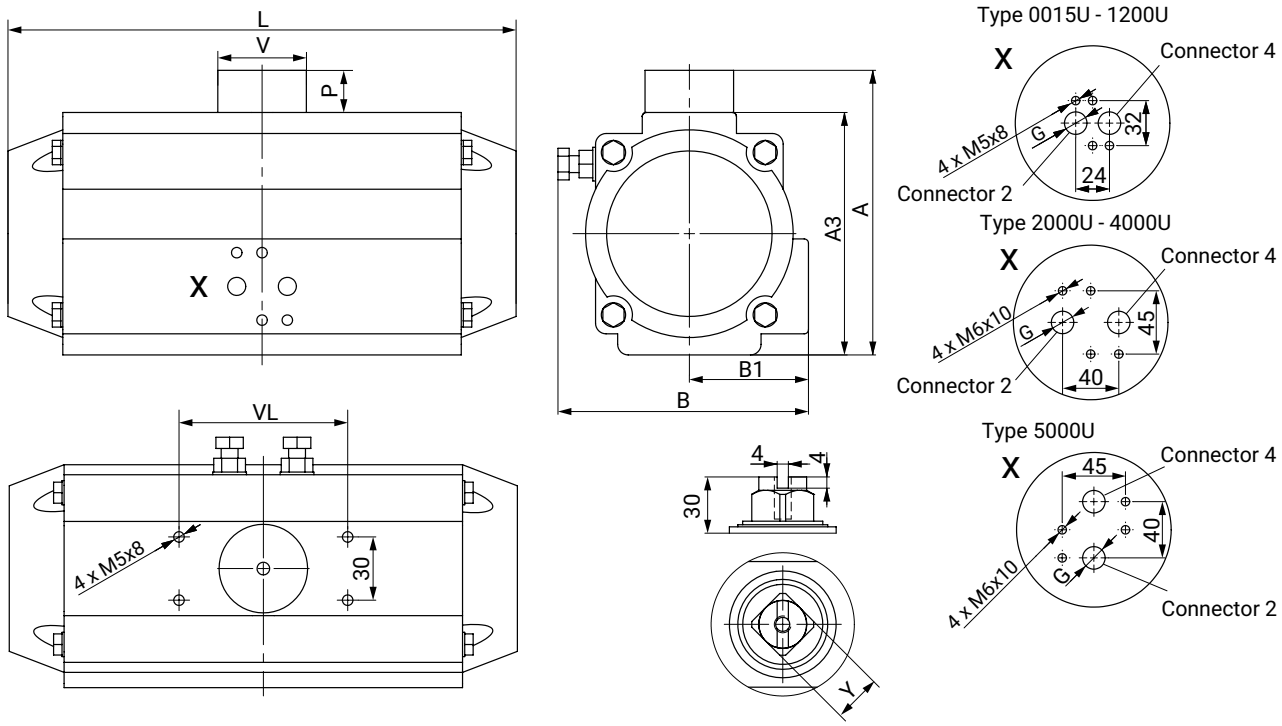


Type	A	A3	B	B1	V	G	P	Z	L	L1
0020U	96.0	66.0	76.0	48.0	40.0	G1/4"	30.0	30.0	145.0	163.0
0040U	115.0	85.0	91.0	56.0	40.0	G1/4"	30.0	30.0	158.0	195.0
0080U	137.0	107.0	111.0	66.0	40.0	G1/4"	30.0	30.0	177.0	217.0
0130U	147.0	117.0	122.0	71.0	40.0	G1/4"	30.0	30.0	196.0	258.0
0200U	165.0	135.0	135.5	78.0	40.0	G1/4"	30.0	30.0	225.0	299.0
0300U	182.0	152.0	152.5	86.0	40.0	G1/4"	30.0	30.0	273.0	348.5
0500U	199.0	169.0	173.0	96.0	40.0	G1/4"	30.0	30.0	304.0	397.0

Dimensions in mm

* with adapter sleeve

Actuator type DR/SC

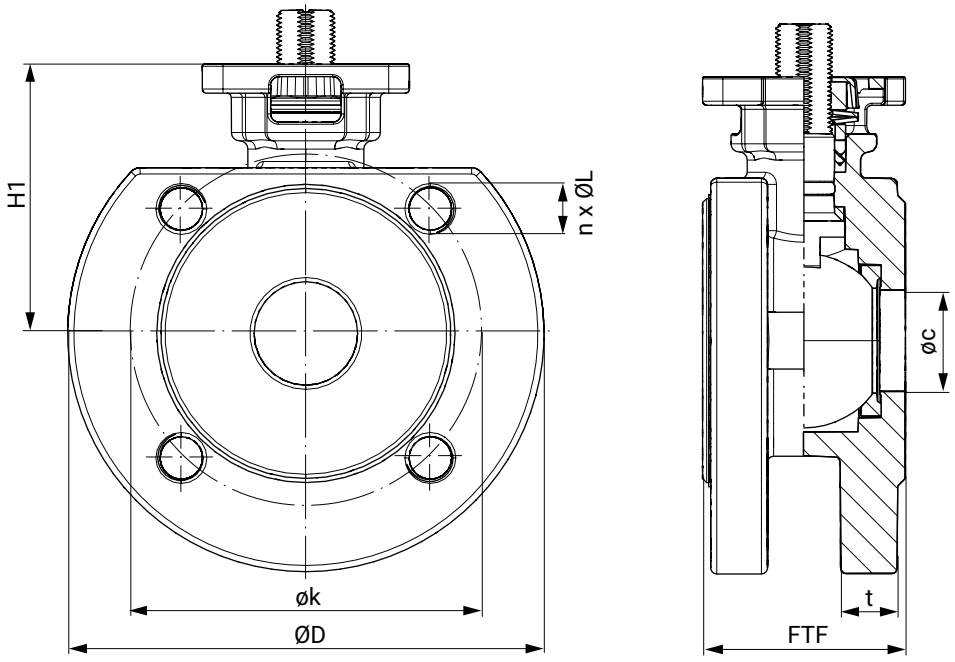


Type	A	A3	B	B1	V	VL	G	P	L	Y
0015U	89.0	69.0	72.0	43.0	42.0	80.0	G1/8"	20.0	136.0	11.0
0030U	105.0	85.0	84.5	48.5	42.0	80.0	G1/8"	20.0	153.5	11.0
0060U	122.0	102.0	93.0	50.5	42.0	80.0	G1/8"	20.0	203.5	17.0
0100U	135.0	115.0	106.0	56.5	42.0	80.0	G1/8"	20.0	241.0	17.0
0150U	147.0	127.0	118.5	63.0	42.0	80.0	G1/4"	20.0	259.0	17.0
0220U	175.0	145.0	136.0	72.0	58.0	80.0	G1/4"	30.0	304.0	27.0
0300U	187.0	157.0	146.5	77.0	58.0	80.0	G1/4"	30.0	333.0	27.0
0450U	207.0	177.0	166.0	86.0	67.5	80.0	G1/4"	30.0	394.5	27.0

Dimensions in mm

Body dimensions

Flange (connection code 68)



DN	øc	ØD	øk	t	FTF	H1	n x ØL
15	15.0	82.0	65.0	14.0	42.0	48.5	4 x M12
20	20.0	98.0	75.0	14.0	44.0	54.0	4 x M12
25	25.0	115.0	85.0	14.0	50.0	65.0	4 x M12
32	32.0	140.0	100.0	16.0	60.0	78.0	4 x M16
40	38.0	150.0	110.0	15.0	69.0	85.0	4 x M16
50	50.0	165.0	125.0	16.0	82.0	93.0	4 x M16
65	65.0	185.0	145.0	15.0	103.0	107.0	4 x M16
80	76.0	200.0	160.0	17.0	119.0	119.0	8 x M16
100	100.0	220.0	180.0	17.0	150.0	132.0	8 x M16

Dimensions in mm

Add-on components

GEMÜ LSF

Inductive dual sensor for quarter turn valves

The GEMÜ LSF inductive dual sensor is suitable for mounting to manually and pneumatically operated quarter turn valves. It is also fitted with an optical position indicator for visual confirmation of position.

GEMÜ LSC

Limit switch box for quarter turn actuators

The GEMÜ LSC limit switch box is suitable for mounting to manually and pneumatically operated quarter turn valves. It is also fitted with an optical position indicator for visual confirmation of position.

Accessories

GEMÜ ADH

Mounting sleeve

The mounting sleeve accessories are available in the square and star geometry designs. These are used for the shaft and hub support for quarter turn actuators. Both sleeves have an internal square drive (please observe stated measurement dimensions here). The sleeve material is sintered metal and they are chemically nickel plated with a surface of 25 µm.

GEMÜ 2022 Dual throttle

Dual throttle

The GEMÜ 2022 throttle valves are available as throttle valve, throttle check valve and dual throttle check valve. In pneumatic actuators they are used to regulate the compressed air depending on the function for the supply or exhaust air. The operating time of the pneumatic actuator can be varied by reducing the compressed air. The throttle valves are used to adjust the compressed air, independent of the flow direction. When using throttle check valves, one direction of the supply or exhaust air is adjusted and the other direction remains unregulated. With the dual throttle check valves the compressed air of the supply and exhaust air can be adjusted independently of one another.

GEMÜ 8500

Electrically operated pilot solenoid valve

The GEMÜ 8500 servo assisted 3/2 or 5/2-way pilot solenoid valve is indirectly controlled. The body is made of aluminium. The plastic encapsulated coil is detachable. The piston valve has a soft elastomer seal.

GEMÜ 8500DRN

Throttle plate

Throttle plates can be used to continuously adjust the travel times of pneumatic quarter turn actuators in both the "OPEN" and "CLOSED" directions independently of one another. They are installed between the NAMUR valve and the quarter turn actuator.

GEMÜ 1751

Silencer

Damping of vent hole or suction noises, and coarse filtering of the suction air for pneumatic applications

GEMÜ CONEXO

The interaction of valve components that are equipped with RFID chips and an associated IT infrastructure actively increase process reliability.

Thanks to serialization, every valve and every relevant valve component such as the body, actuator or diaphragm, and even automation components, can be clearly traced and read using the CONEXO pen RFID reader. The CONEXO app, which can be installed on mobile devices, not only facilitates and improves the "installation qualification" process, but also makes the maintenance process much more transparent and easier to document. The app actively guides the maintenance technician through the maintenance schedule and directly provides him with all the information assigned to the valve, such as test reports, testing documentation and maintenance histories. The CONEXO portal acts as a central element, helping to collect, manage and process all data.

For further information on GEMÜ CONEXO please visit:
www.gemu-group.com/conexo

Ordering

GEMÜ Conexo must be ordered separately with the ordering option "CONEXO" (see order data).

Subject to alteration | 10.2020 | 88735151

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