

GEMÜ R477 Tugela

Manually operated butterfly valve



Features

- High-performance butterfly valve with double eccentric construction in order to separate the disc directly from the seat (gasket), thereby reducing friction and extending the service life
- Continuous shaft with temperature resistant graphite bearing and PTFE gland packing for readjustment in operation for minimized leakage, even at low pressures
- Antistatic fixture for ATEX area
- Various actuator types can be selected

Description

The GEMÜ R477 Tugela double eccentric metal butterfly valve is operated by a manual actuator. The butterfly valve is available in nominal sizes DN 50 to 400 and in standardized installation lengths API 609 category A (DIN 3202 K1).

Technical specifications

- **Media temperature :** -60 to 230 °C
- **Ambient temperature:** -20 to 70 °C
- **Operating pressure :** 0 to 40 bar
- **Nominal sizes:** DN 50 to 400
- **Body configurations:** Wafer
- **Connection standards:** ASME | ISO
- **Body materials:** 1.0619 (WCB), cast steel material with CDP coating | 1.4408
- **Liner materials:** PTFE TFM™
- **Disc materials:** 1.4408
- **Conformities:** ATEX | EAC | FDA

Technical data depends on the respective configuration



Product line



GEMÜ R470
Tugela

GEMÜ R471
Tugela

GEMÜ R477
Tugela

GEMÜ R478
Tugela

Operation

With bare shaft	●	-	-	-
Manual	-	-	●	-
Pneumatic	-	●	-	-
Motorized	-	-	-	●
Nominal sizes	DN 50 to 600	DN 50 to 400	DN 50 to 400	DN 50 to 300
Media temperature	-60 to 230 °C	-60 to 230 °C	-60 to 230 °C	-60 to 230 °C
Max. operating pressure ¹⁾	40 bar	40 bar	40 bar	40 bar

Connection types

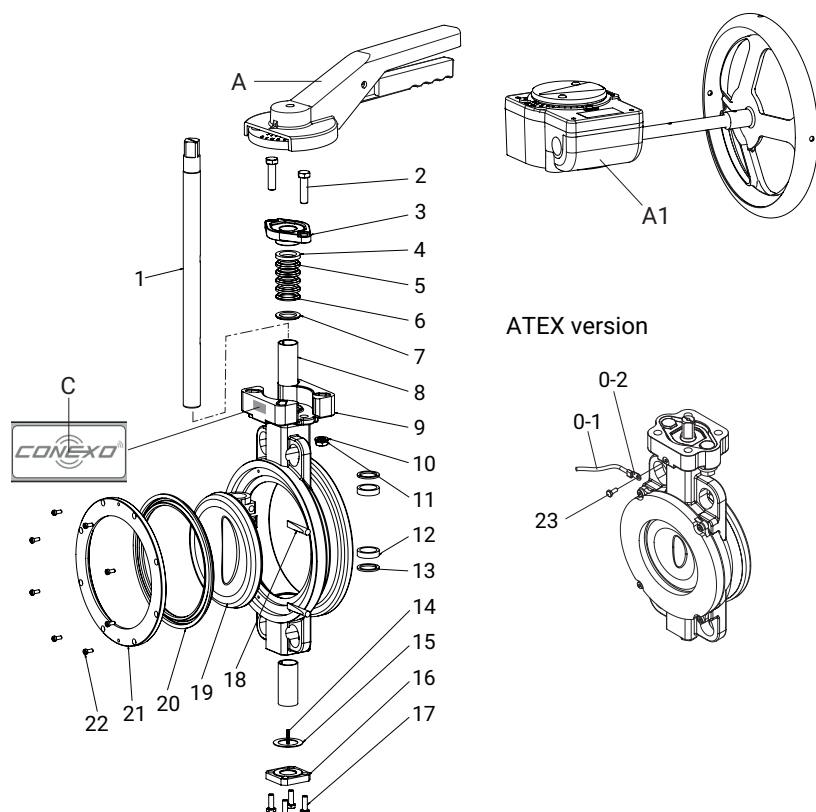
Flange (wafer)	●	●	●	●
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Conformities

ATEX	●	●	●	●
EAC	●	●	●	●
FDA	●	●	●	●

1) Reduced pressures when used as end-of-line valve

Product description



Item	Designation	Material
1	Shaft	see order code (order data)
2	Hexagon screw	Stainless steel
3	Packing washer	1.4408
4	Upper packing	PTFE
5	Medium packing	PTFE
6	Lower packing	PTFE
7	Packing washer	PTFE
8	Bush	Copper alloy
9	Body	see order code (order data)
10	Spring washer	Stainless steel
11	Hexagon nut	Stainless steel
12	Shaft bearing	PTFE coated steel
13	Shaft bearing	PTFE coated steel
14	Static spring	Stainless steel
15	Sealing washer	Stainless steel
16	Lower cap	same as body
17	Hexagon screw	Stainless steel
18	Disc pin	Steel
19	Disc	see order code (order data)
20*	Seat	see order code (order data)
21	Seat retainer	
22	Hexagon screw	Stainless steel
A	Hand lever	Aluminium, polyurethane coated
A1	Gearbox with handwheel	Die-cast aluminium casing

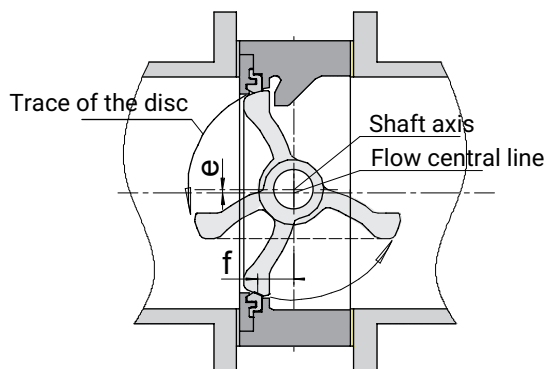
Product description

Item	Designation	Material
C	GEMÜ CONEXO (see page 21)	
0	Earthing kit for ATEX version	
0-1	Stranded wire (ATEX version)	
0-2	Cable lug (ATEX version)	
23	Hexagon nut	Stainless steel

* available as spare part

Additional design features

Double-eccentric design



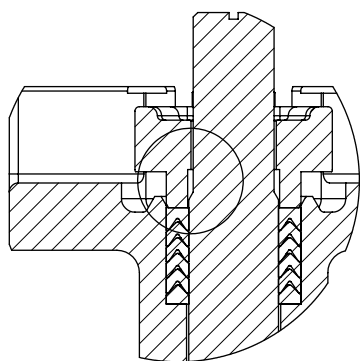
During operation, the disc directly disconnects from the seat, thereby reducing friction between the seat and disc, as well as the torque.

This design is particularly low-wear and this, together with the temperature-resistant carbon bushing, increases the service life.

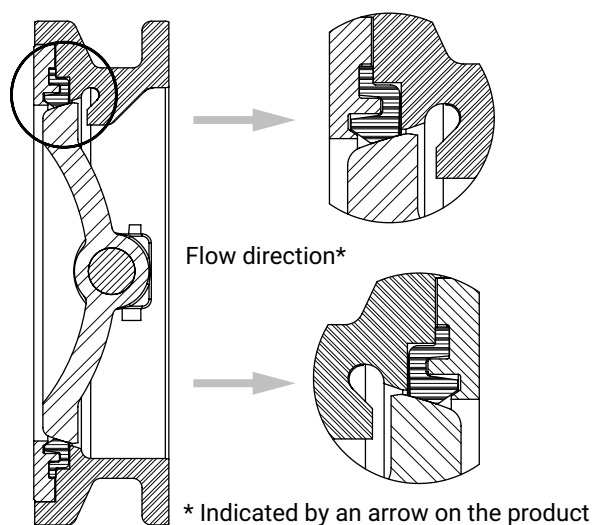
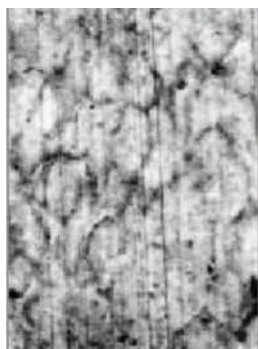
Spherical surface

The disc is designed with a spherical surface for improved mechanical behaviour under pressure and temperature fluctuations.

Shaft blow-out protection



There is a chamfer at the upper end of the shaft which acts as an additional safety measure in case the shaft breaks.

Flow direction**Shut-off seal material****PTFE****TFM**

TFM™ is made from conventional PTFE and a 1% proportion of perfluoropropyl vinyl ether (PPVE). While the properties of conventional PTFE (excellent chemical resistance, application in a wide temperature range and resistance to embrittlement or ageing, etc.) are maintained, the PPVE additive leads to a better distribution of the PTFE particles and thus to a higher density of the polymer structure.

This leads to the following additional advantages:

- Significantly improved cold flow properties (measured as deformation under load):
The same cold flow properties as PTFE with 25% glass fibres.
- Reduced gas permeability and increased blocking properties
- The smooth surface results in less abrasion of the shut-off seal and fewer abraded particles in the medium.

Actuator assignment

DN	Actuator version (code) ¹⁾				
	AHL11	DAHL11	DAHL14	GB232	GB880N
50	X	-	-	X	-
65	-	X	-	X	-
80	-	X	-	X	-
100	-	-	X	X	-
125	-	-	X	X	-
150	-	-	-	X	-
200	-	-	-	X	-
250	-	-	-	X	-
300	-	-	-	X	-
350	-	-	-	X	-
400	-	-	-	-	X
500	-	-	-	-	X
600	-	-	-	-	X

1) Actuator version

Code AHL11: Hand lever, aluminium

Code DAHL11: Hand lever, aluminium

Code DAHL14: Hand lever, aluminium

Code GB232: Gearbox, die-cast aluminium casing

Code GB880N: Gearbox, cast iron

Order data

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

Order codes

1 Type	Code
Butterfly valve, manually operated (double-eccentric), Tugela	R477

2 DN	Code
DN 50	50
DN 65	65
DN 80	80
DN 100	100
DN 125	125
DN 150	150
DN 200	200
DN 250	250
DN 300	300
DN 350	350
DN 400	400
DN 450	450
DN 500	500
DN 600	600

3 Body configuration	Code
Wafer design, face-to-face dimension FTF API609 table 3, EN 558 series 108, EN 558 series 109	W

4 Operating pressure	Code
10 bar	2
16 bar	3
20 bar	4
25 bar	5
40 bar	6

5 Connection type	Code
PN 10 / flange EN 1092, face-to-face dimension FTF EN 558 series 108	2
PN 16 / flange EN 1092, face-to-face dimension FTF EN 558 series 108	3
PN 25 / flange EN 1092, face-to-face dimension FTF EN 558 series 20	5
PN 40 / flange EN 1092, face-to-face dimension FTF EN 558 series 109	6
ANSI B16.5, Class 150, face-to-face dimension FTF EN 558 series 108	D

5 Connection type	Code
ANSI B16.5, Class 300, dimension FTF EN 558 series 109	M

6 Body material	Code
1.4408 / ASTM A351 / CF8M	4
1.0619 / ASTM A216 WCB, CDP coated 20 µm, for non-European countries, 1.0619 is not a material for pressure equipment according to 2014/68/EU	5

7 Disc material	Code
1.4408 / ASTM A351 / CF8M	A

8 Shaft material	Code
1.4542, ASTM 564 630	6

9 Shut-off seal material	Code
TFM 1600 (FDA certification)	T

10 Liner fixing	Code
Loose liner	L

11 Actuator version	Code
Hand lever, aluminium	AHL11
Hand lever, aluminium	DAHL11
Hand lever, aluminium	DAHL14
Gearbox, die-cast aluminium casing	GB232
Gearbox, cast iron	GB880N

12 Type of design	Code
Without	
Gearbox prepared for limit switch mounting	7042
Thermal separation between actuator and valve body via mounting kit, mounting parts made from stainless steel	5227

13 Special version	Code
Without	
ATEX certification	X

14 CONEXO	Code
Without	
Integrated RFID chip for electronic identification and traceability	C

Order example

Ordering option	Code	Description
1 Type	R477	Butterfly valve, manually operated (double-eccentric), Tugela
2 DN	300	DN 300
3 Body configuration	W	Wafer design, face-to-face dimension FTF API609 table 3, EN 558 series 108, EN 558 series 109
4 Operating pressure	4	20 bar
5 Connection type	6	PN 40 / flange EN 1092, face-to-face dimension FTF EN 558 series 109
6 Body material	4	1.4408 / ASTM A351 / CF8M
7 Disc material	A	1.4408 / ASTM A351 / CF8M
8 Shaft material	6	1.4542, ASTM 564 630
9 Shut-off seal material	T	TFM 1600 (FDA certification)
10 Liner fixing	L	Loose liner
11 Control function	0	Manually operated
12 Actuator version	GB232	Gearbox, die-cast aluminium casing
13 Type of design		Without
14 Special version		Without
15 CONEXO		Without

Technical data

Medium

Working medium: Gaseous and liquid media which have no negative impact on the physical and chemical properties of the disc and seat material.

Temperature

Media temperature: -60 – 230 °C

Ambient temperature: -20 – 70 °C

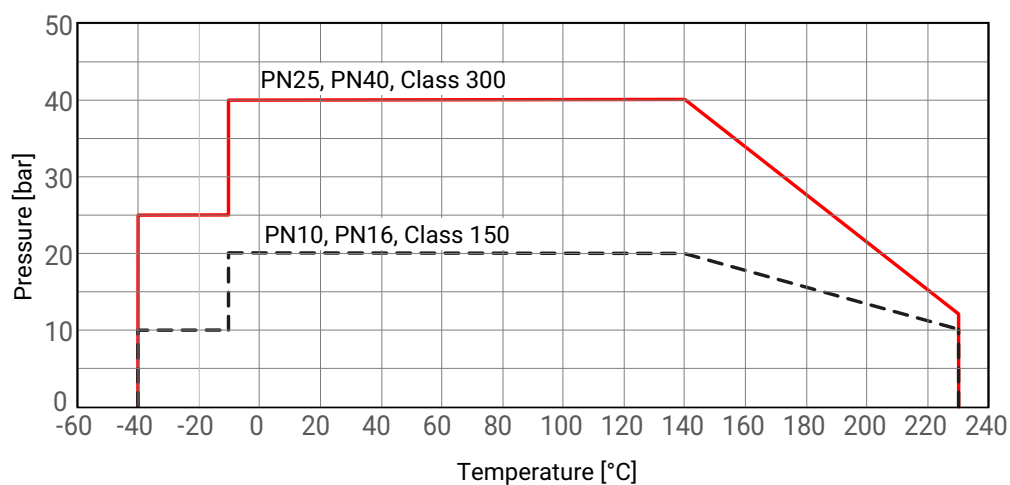
Storage temperature: -60 – 60 °C

Pressure

Operating pressure: Max. permissible pressure of working medium

PS [bar]	Media of fluid group 1				
	Category I		Category II		Category III
	Liquid	Gas	Liquid	Gas	Gas
10	DN 200 - 600	DN 50 - 100	DN 50 - 600	DN 125 - 350	DN 400 - 600
16	-	DN 50		DN 65 - 200	DN 250 - 600
20	-	DN 50		DN 65 - 150	DN 200 - 600
25	-	-		DN 50 - 125	DN 150 - 600
40	-	-		DN 50 - 100	DN 125 - 600

Pressure/temperature diagram:



Kv values:

DN	NPS	Connection type code ¹⁾	
		D, 2, 3	M, 5, 6
50	2"	45.0	45.0
65	2½"	78.0	78.0
80	3"	165.0	165.0
100	4"	400.0	400.0
125	5"	650.0	650.0
150	6"	1050.0	1050.0
200	8"	2200.0	1800.0
250	10"	3300.0	3150.0
300	12"	5100.0	4750.0
350	14"	5800.0	5200.0
400	16"	8000.0	6900.0
450	18"	10500.0	9300.0
500	20"	14000.0	11300.0
600	24"	21600.0	18500.0

Kv values in m³/h

1) Connection type

Code 2: PN 10 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 3: PN 16 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 5: PN 25 / flange EN 1092, face-to-face dimension FTF EN 558 series 20

Code 6: PN 40 / flange EN 1092, face-to-face dimension FTF EN 558 series 109

Code D: ANSI B16.5, Class 150, face-to-face dimension FTF EN 558 series 108

Code M: ANSI B16.5, Class 300, dimension FTF EN 558 series 109

Product conformity

Pressure Equipment Directive: 2014/68/EU

Food: FDA

EAC: The product is certified according to EAC.

Explosion protection: 2014/34/EU (ATEX)

ATEX marking: **Assessment of the body**
Special function code X
Gas:  II -/2 G Ex h -/IIC T6...T3 -/Gb X
Dust:  II -/2D Ex h -/IIIC T150°C -/Db X

Mechanical data

Torques:

DN	NPS	Connection type code ¹⁾									
		D, 2, 3					M, 5, 6				
		Maximum pressure differential [bar]									
		0.0	6.0	10.0	16.0	20.0	0.0	20.0	25.0	40.0	50.0
50	2"	33.0	33.0	34.0	35.0	37.0	33.0	37.0	38.0	40.0	42.0
65	2½"	43.0	44.0	45.0	46.0	50.0	43.0	50.0	52.0	57.0	60.0
80	3"	54.0	56.0	57.0	58.0	64.0	54.0	64.0	67.0	74.0	79.0
100	4"	68.0	71.0	72.0	74.0	84.0	68.0	84.0	88.0	99.0	107.0
125	5"	90.0	94.0	96.0	100.0	115.0	90.0	115.0	121.0	139.0	151.0
150	6"	114.0	120.0	123.0	128.0	149.0	123.0	158.0	167.0	193.0	211.0
200	8"	181.0	192.0	200.0	211.0	258.0	202.0	280.0	299.0	358.0	397.0
250	10"	250.0	268.0	280.0	297.0	372.0	287.0	409.0	439.0	530.0	591.0
300	12"	357.0	387.0	408.0	438.0	567.0	393.0	603.0	655.0	813.0	918.0
350	14"	559.0	607.0	640.0	688.0	721.0	699.0	861.0	901.0	1023.0	1104.0
400	16"	950.0	1027.0	1079.0	1156.0	1207.0	1188.0	1445.0	1509.0	1701.0	1830.0
450	18"	1420.0	1534.0	1611.0	1725.0	1802.0	1629.0	2011.0	2107.0	2394.0	2585.0
500	20"	1967.0	2144.0	2262.0	2439.0	2557.0	2499.0	3089.0	3237.0	3679.0	3974.0
600	24"	3324.0	3579.0	3748.0	4003.0	4173.0	3579.0	4429.0	4641.0	5278.0	5703.0

Torques in Nm

1) Connection type

Code 2: PN 10 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 3: PN 16 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 5: PN 25 / flange EN 1092, face-to-face dimension FTF EN 558 series 20

Code 6: PN 40 / flange EN 1092, face-to-face dimension FTF EN 558 series 109

Code D: ANSI B16.5, Class 150, face-to-face dimension FTF EN 558 series 108

Code M: ANSI B16.5, Class 300, dimension FTF EN 558 series 109

Weight:
Butterfly valve

DN	NPS	Connection type code ¹⁾	
		D, 2, 3	M, 5, 6
50	2"	3.2	3.2
65	2½"	3.6	3.6
80	3"	4.9	4.9
100	4"	7.5	7.5
125	5"	8.0	8.0
150	6"	12.0	14.0
200	8"	18.0	23.0
250	10"	31.0	40.0
300	12"	47.0	66.0
350	14"	77.0	114.0
400	16"	96.0	146.0
450	18"	133.0	212.0
500	20"	156.0	261.0
600	24"	268.0	385.0

Weights in kg

1) Connection type

Code 2: PN 10 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 3: PN 16 / flange EN 1092, face-to-face dimension FTF EN 558 series 108

Code 5: PN 25 / flange EN 1092, face-to-face dimension FTF EN 558 series 20

Code 6: PN 40 / flange EN 1092, face-to-face dimension FTF EN 558 series 109

Code D: ANSI B16.5, Class 150, face-to-face dimension FTF EN 558 series 108

Code M: ANSI B16.5, Class 300, dimension FTF EN 558 series 109

Manual operator

Designation	Weight
AHL11, DAHL11, DAHL14	0.314
GB 232	5.4
GB880N	23.0

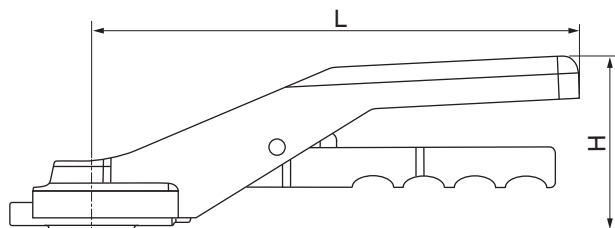
Weights in kg

Flow direction:

Indicated by an arrow on the product

Dimensions

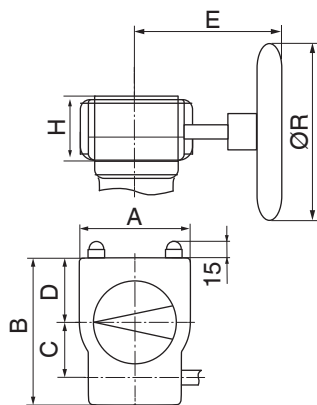
Actuator dimensions



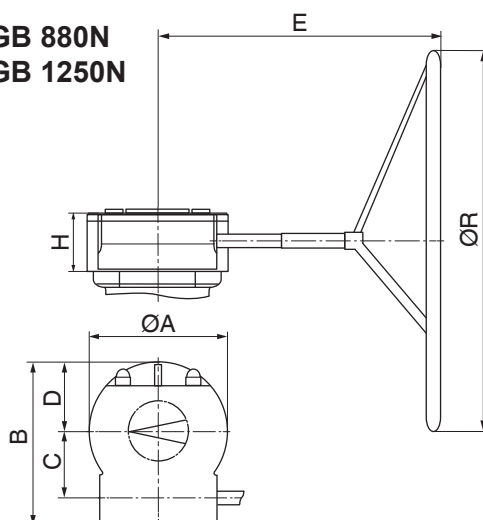
Code	H	L	M
AHL11, DAHL11, DAHL14	70.0	200.0	74.0

Dimensions in mm

GB 232



GB 880N GB 1250N



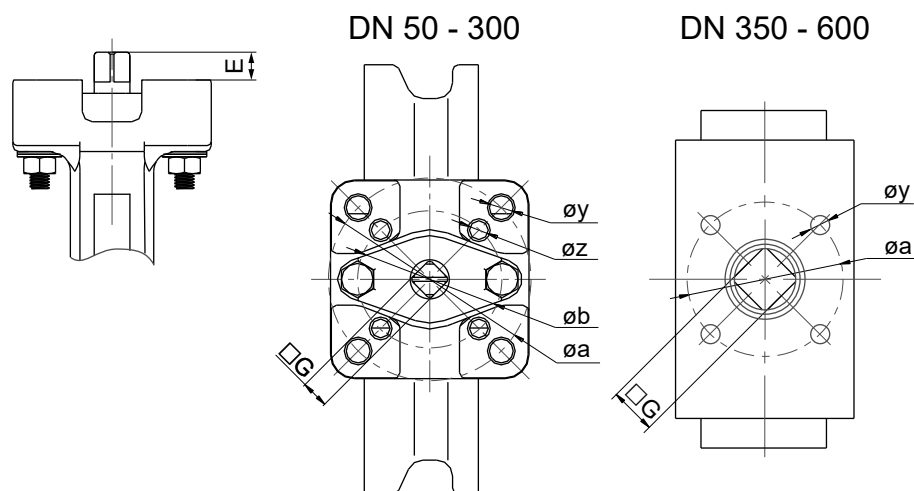
Code	DN	A	B	C	D	E	H	ØR
GB 232	50	80.0	114.0	42.5	48.0	121.0	53.0	100.0
	125	80.0	114.0	42.5	48.0	171.0	59.0	100.0
	150	80.0	114.0	42.5	48.0	171.0	59.0	160.0
	200 - 350	100.0	131.0	50.0	56.0	195.0	67.0	200.0
GB880N	400- 600	200.0	226.0	86.0	100.0	465.0	93.0	800.0

Dimensions in mm

Body dimensions

Actuator flange

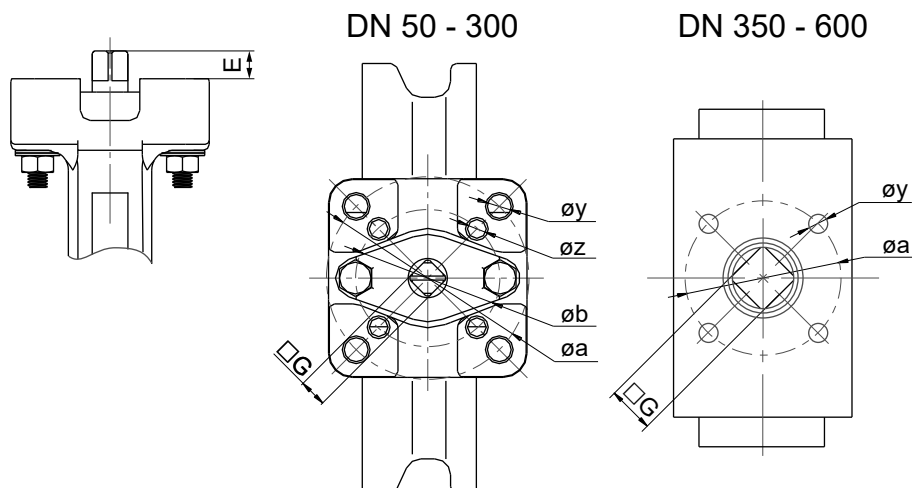
Flange PN10 (code 2), PN16 (code 3), CLASS 150 (code D)



DN	NPS	ISO 5211	øa	øb	E	□G	øy	øz
50	2"	F05	-	50.0	22.0	11.0	-	4 x 7.0
65	2½"	F05/F07	70.0	50.0	15.0	11.0	4 x 7.0	4 x 7.0
80	3"	F05/F07	70.0	50.0	15.0	11.0	4 x 7.0	4 x 7.0
100	4"	F07	-	70.0	23.0	14.0	-	4 x 9.5
125	5"	F07	-	70.0	23.0	14.0	-	4 x 9.5
150	6"	F07/F10	102.0	70.0	32.5	14.0	4 x 12.0	4 x 9.5
200	8"	F10	-	102.0	34.5	17.0	-	4 x 12.0
250	10"	F10/F12	125.0	102.0	34.0	22.0	4 x 14.0	4 x 12.0
300	12"	F12/F14	140.0	125.0	29.5	27.0	4 x 18.0	4 x 14.0
350	14"	F14/F16	165.0	140.0	12.0	27.0	4 x 22.0	4 x 18.0
400	16"	F14/F16	165.0	140.0	12.0	36.0	4 x 22.0	4 x 18.0
450	18"	F14/F16	165.0	140.0	12.0	36.0	4 x 22.0	4 x 18.0
500	20"	F14/F16	165.0	140.0	12.0	46.0	4 x 22.0	4 x 18.0
600	24"	F14/F16	165.0	254.0	18.0	46.0	4 x 23.0	4 x 19.0

Dimensions in mm

Flange PN25 (code 5), PN40 (code 6), CLASS 300 (code M)

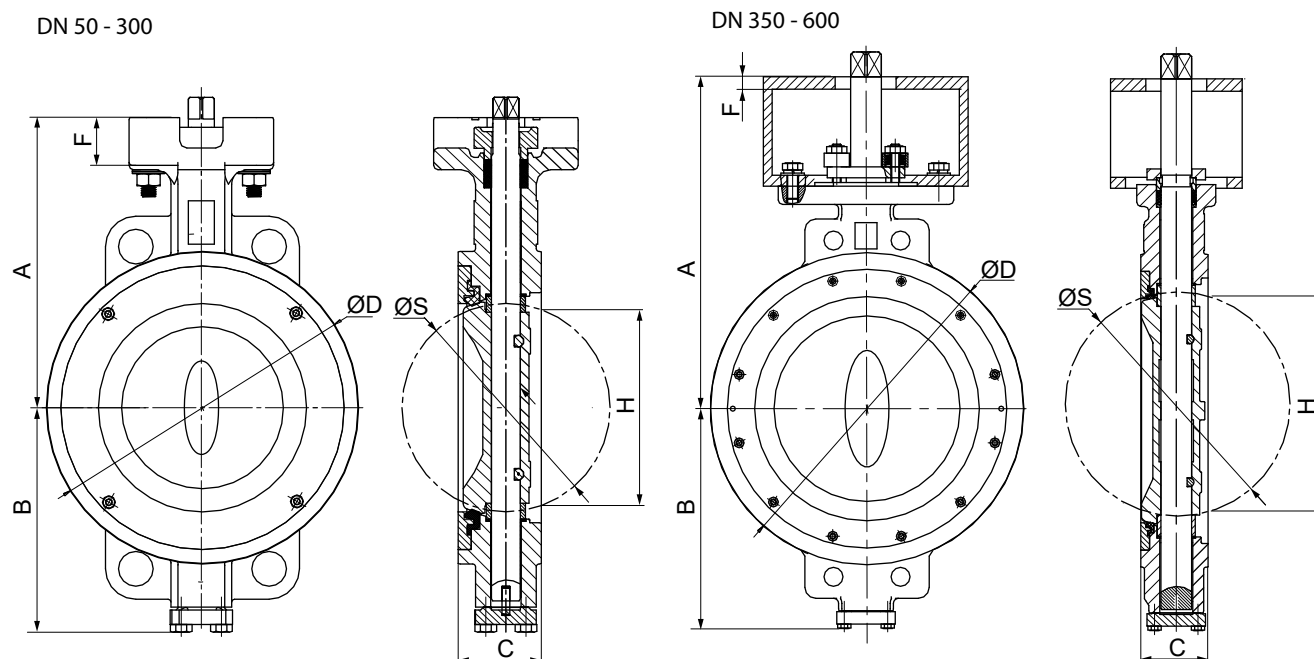


DN	NPS	ISO 5211	øa	øb	E	□G	øy	øz
50	2"	F05	-	50.0	22.0	11.0	4 x 7.0	-
65	2½"	F05/F07	70.0	50.0	15.0	11.0	4 x 9.5	4 x 7.0
80	3"	F05/F07	70.0	50.0	15.0	11.0	4 x 9.5	4 x 7.0
100	4"	F07	-	70.0	23.0	14.0	4 x 9.5	-
125	5"	F07	-	70.0	23.0	14.0	4 x 9.5	-
150	6"	F10	-	70.0	26.0	17.0	4 x 12.0	-
200	8"	F10/F12	125.0	102.0	34.5	22.0	4 x 14.0	4 x 12.0
250	10"	F12/F14	140.0	102.0	30.0	27.0	4 x 18.0	4 x 13.5
300	12"	F14	-	125.0	38.5	27.0	4 x 18.0	-
350	14"	F14/F16	165.0	140.0	12.0	36.0	4 x 22.0	4 x 18.0
400	16"	F14/F16	165.0	140.0	12.0	46.0	4 x 22.0	4 x 18.0
450	18"	F16/F25	254.0	140.0	18.0	46.0	4 x 19.0	4 x 22.0
500	20"	F16/F25	254.0	140.0	18.0	55.0	4 x 19.0	4 x 22.0
600	24"	F25	254.0	254.0	18.0	55.0	4 x 19.0	4 x 22.0

Dimensions in mm

Body

Flange PN10 (code 2), PN16 (code 3), CLASS 150 (code D)

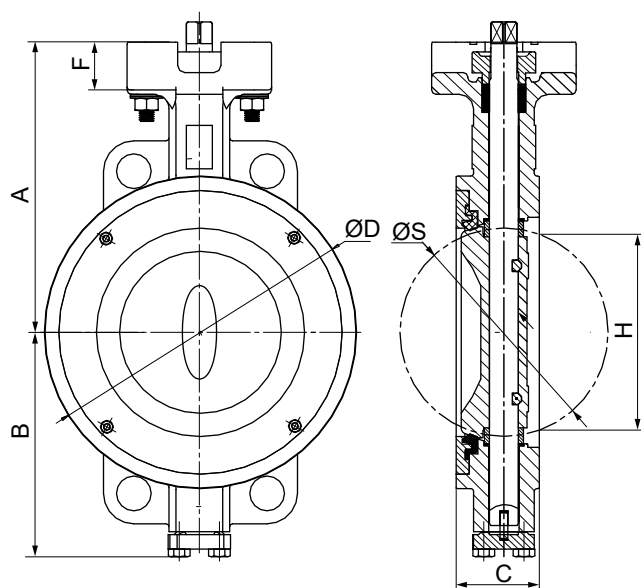


DN	NPS	A	B	øb	C	ØD	F	H	ØS
50	2"	124.0	96.4	50.0	50.0	100.0	-	15.0	38.6
65	2½"	122.0	101.0	50.0	51.5	105.0	-	49.0	57.0
80	3"	143.5	115.0	50.0	49.5	132.0	-	69.0	74.0
100	4"	160.0	128.0	70.0	56.5	158.0	-	91.0	96.0
125	5"	176.5	148.0	70.0	57.0	186.0	-	103.0	111.0
150	6"	198.0	157.0	70.0	57.5	216.0	33.0	140.0	144.0
200	8"	230.0	195.0	102.0	63.0	266.0	35.0	179.0	188.0
250	10"	273.0	236.0	102.0	71.0	324.0	34.0	231.0	237.0
300	12"	319.0	262.0	125.0	81.5	381.0	30.0	276.0	283.0
350	14"	455.0	303.0	140.0	92.0	429.0	17.0	300.0	307.0
400	16"	490.0	337.5	140.0	101.5	480.0	17.0	347.0	363.5
450	18"	502.0	353.5	140.0	114.0	533.0	17.0	394.0	414.0
500	20"	524.0	376.5	140.0	127.0	584.0	17.0	434.0	458.0
600	24"	625.0	453.5	165.0	154.0	692.0	22.0	524.0	550.0

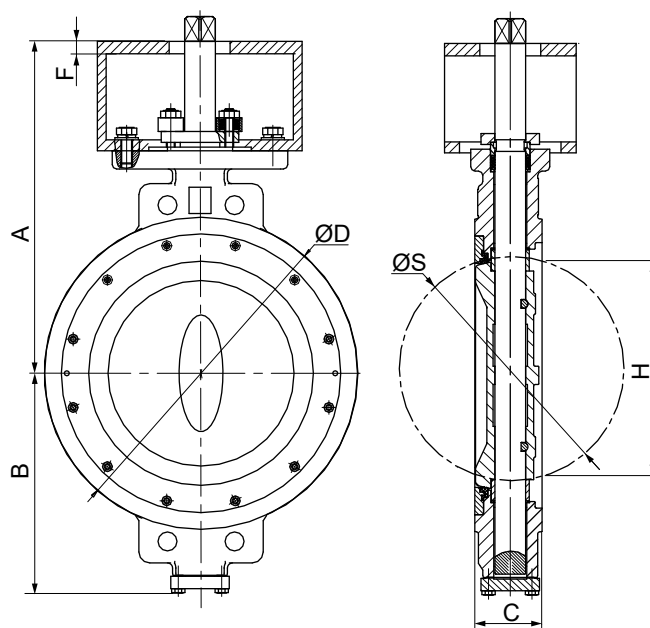
Dimensions in mm

Flange PN25 (code 5), PN40 (code 6), CLASS 300 (code M)

DN 50 - 300



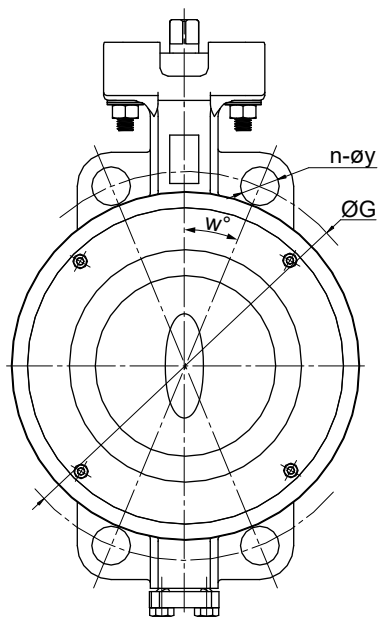
DN 350 - 600



DN	NPS	A	B	øb	C	ØD	F	H	ØS
50	2"	124.0	96.4	50.0	50.0	100.0	22.0	15.0	38.6
65	2½"	122.0	101.0	50.0	51.5	105.0	15.0	49.0	57.0
80	3"	143.5	115.0	50.0	49.5	132.0	18.0	69.0	74.0
100	4"	160.0	128.0	70.0	56.5	158.0	23.0	91.0	96.0
125	5"	176.5	148.0	70.0	57.0	186.0	23.0	103.0	111.0
150	6"	217.5	170.5	70.0	59.0	216.0	26.0	140.0	144.0
200	8"	250.0	206.5	102.0	73.0	266.0	35.0	179.0	188.0
250	10"	303.0	248.0	102.0	83.0	324.0	31.0	231.0	237.0
300	12"	335.5	291.0	125.0	92.0	381.0	39.0	276.0	283.0
350	14"	470.0	320.5	140.0	117.0	429.0	17.0	300.0	315.0
400	16"	500.5	365.5	140.0	133.5	480.0	17.0	347.0	363.5
450	18"	531.0	382.5	140.0	149.0	533.0	17.0	394.0	414.0
500	20"	593.0	426.5	140.0	162.0	584.0	22.0	434.0	456.5
600	24"	645.0	498.0	165.0	181.0	692.0	22.0	524.0	550.0

Dimensions in mm

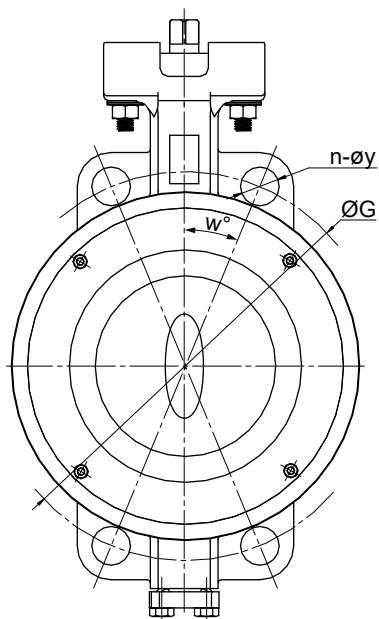
Connections



DN	NPS	PN10				PN16				PN25				PN40			
		n	ØG	w°	øy	n	ØG	w°	øy	n	ØG	w°	øy	n	ØG	w°	øy
50	2"	4	125.0	45.0	18.0	4	125.0	45.0	18.0	4	125.0	45.0	18.0	4	125.0	45.0	18.0
65	2½"	8	145.0	22.5	18.0	8	145.0	22.5	18.0	8	145.0	22.5	18.0	8	145.0	45.0	18.0
80	3"	8	160.0	22.5	19.0	8	160.0	22.5	19.0	8	160.0	22.5	19.0	8	160.0	22.5	19.0
100	4"	8	180.0	22.5	18.0	8	180.0	22.5	18.0	8	190.0	22.5	22.0	8	190.0	22.5	22.0
125	5"	8	210.0	22.5	18.0	8	210.0	22.5	18.0	8	220.0	22.5	26.0	8	220.0	22.5	26.0
150	6"	8	240.0	22.5	22.0	8	240.0	22.5	22.0	8	250.0	22.5	28.0	8	250.0	22.5	28.0
200	8"	8	295.0	22.5	24.0	12	295.0	15.0	24.0	12	310.0	15.0	28.0	12	320.0	15.0	30.0
250	10"	12	350.0	15.0	22.0	12	355.0	15.0	26.0	12	370.0	15.0	30.0	12	385.0	15.0	33.0
300	12"	12	400.0	15.0	22.0	12	410.0	15.0	26.0	16	430.0	11.25	M27	16	450.0	11.25	M30
350	14"	16	460.0	11.25	22.0	16	470.0	11.25	26.0	16	490.0	11.25	M30	16	510.0	11.25	M33
400	16"	16	515.0	11.25	28.0	16	525.0	11.25	30.0	16	550.0	11.25	M33	16	585.0	11.25	M36
450	18"	20	665.0	9.0	M24	20	585.0	9.0	M27	20	600.0	9.0	M33	20	610.0	9.0	M36
500	20"	20	620.0	9.0	M24	20	650.0	9.0	M30	20	660.0	9.0	M33	20	670.0	9.0	M39
600	24"	20	725.0	9.0	M27	20	770.0	9.0	M33	20	770.0	9.0	M36	20	795.0	9.0	M45

Dimensions in mm

n = number of bolt holes / bolts

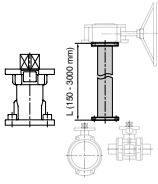


DN	NPS	CLASS 150				CLASS 300			
		n	ØG	w°	øy	n	ØG	w°	øy
50	2"	4	120.5	45.0	19.0	8	127.0	22.5	18.0
65	2½"	4	139.5	45.0	18.0	8	149.0	22.5	22.0
80	3"	4	152.5	45.0	19.0	8	168.5	22.5	22.0
100	4"	8	190.5	22.5	19.0	8	200.0	22.5	22.0
125	5"	8	216.0	22.5	24.0	8	235.0	22.5	22.0
150	6"	8	241.0	22.5	24.0	12	270.0	15.0	24.0
200	8"	8	298.5	22.5	24.0	12	330.0	15.0	28.0
250	10"	12	362.0	15.0	26.0	16	387.5	11.25	1" x 8UN
300	12"	12	432.0	15.0	26.0	16	451.0	11.25	1⅝" x 8UN
350	14"	12	476.0	15.0	30.0	20	514.5	9.0	1⅝" x 8UN
400	16"	16	540.0	11.25	28.6	20	571.5	9.0	1¼" x 8UN
450	18"	16	578.0	11.25	1⅝" x 8UN	24	628.5	7.5	1¼" x 8UN
500	20"	20	635.0	9.0	1⅝" x 8UN	24	685.5	7.5	1¼" x 8UN
600	24"	20	749.5	9.0	1¼" x 8UN	24	812.8	7.5	1½" x 8UN

Dimensions in mm

n = number of bolt holes / bolts

Accessories



GEMÜ RCO

Shaft extension

The RCO shaft extension for quarter turn valves is a distance piece between manually, pneumatically or electrically operated valves. This means that valves can be protected from flooding or better access for operation of the valve can be ensured (also for manual override).



GEMÜ MSC

Mounting kit

The MSC mounting kit is an interface, for the same and different ends, to join flange designs according to ISO 5211. This mounting kit ensures thermal separation of actuator and valve body. It can also be used as height compensation for insulated pipelines. The mounting kit is available in steel, electrogalvanized and stainless steel in an open or closed design.

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 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 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).



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