

Design acc. :

AD 2000 A4, ATEX 2014/34/EU, EN 1984.

Face to face : EN558-1 Ser.15/Ser.26

BW ends : EN 12627 or DIN 3239.

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃ (1.0619N)

-196℃~ +400℃ (1.4408)

Body : 1.0619N /1.4408

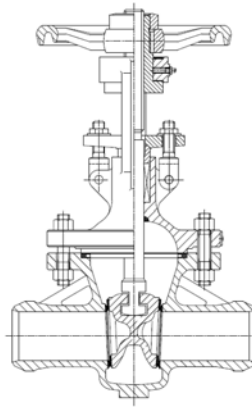
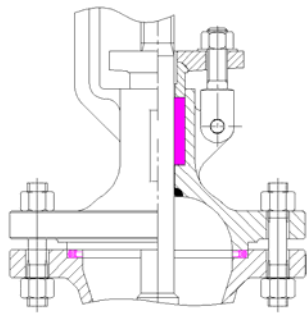
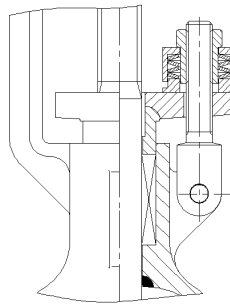


FIG: 031-BW

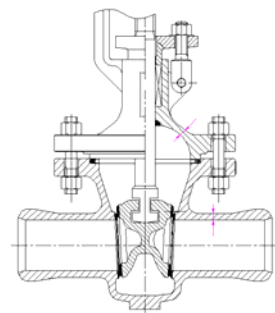
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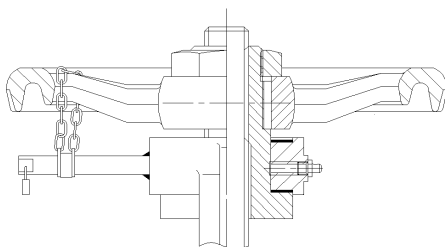
TA Luft gasket and TA Luft Packing



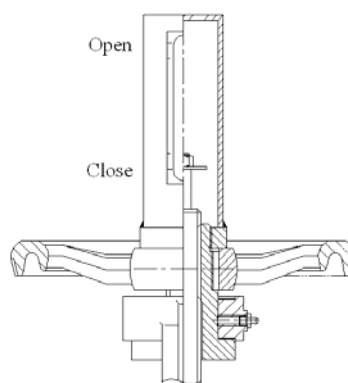
**TA Luft gasket and TA Luft Packing
with spring load system**



**Wall thickness acc. to 300 lbs
for PN16 and PN25 valves**



Locking device



Position indicator

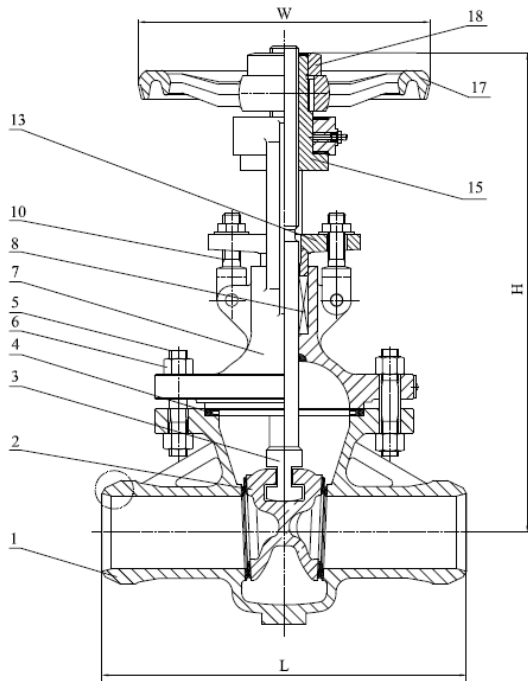


FIG.	Pressure	Material	Range
133.031 - BW	PN16	1.0619N	DN50-DN125
134.031 - BW	PN25	1.0619N	DN50-DN125
153.031 - BW	PN16	1.4408	DN50-DN125
154.031 - BW	PN25	1.4408	DN50-DN125

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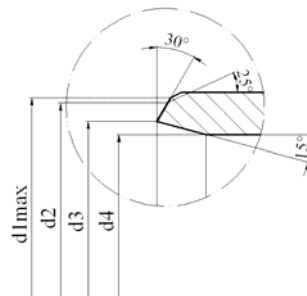
BW ends : EN 12627 or DIN 3239.

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)



Material list

NO.	Part	Material	
		FIG. 153.031 - BW / 154.031 - BW	FIG. 133.031 - BW / 134.031 - BW
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70/A2-70	1.7225(GC)
6	Nut	A4-70/A2-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Fork bolt	A4-70/A2-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	GGG 40.3	GGG 40.3
17	Handwheel	GGG 40.3	GGG 40.3
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	D1	d1max	d2	d3	d4	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)	FTF
16	65	270	122	83	78	70	65	425	250	Tr24×5LH	40	17	85	32.9	Ser.15
	80	280	138	96	91	82	80	420	250	Tr24×5LH	45	19	95	34.3	
	100	300	158	121	116	106	100	480	250	Tr26×5LH	50	23	115	49.9	
	125	325	188	147	142	131	125	590	350	Tr26×5LH	80	29	145	69.9	
25	65	270	122	83	78	70	65	425	250	Tr24×5LH	40	17	85	32.9	
	80	280	138	96	91	82	80	420	250	Tr24×5LH	45	19	95	34.8	
	100	300	162	121	116	106	100	500	250	Tr26×5LH	50	23	115	50	
	125	325	188	147	142	131	125	590	350	Tr26×5LH	80	29	145	69.9	
16/25	50	250	102	67	62	54	50	340	200	Tr20×4LH	35	15	60	23.1	

Note: The torque in the table does not contain safety factor.

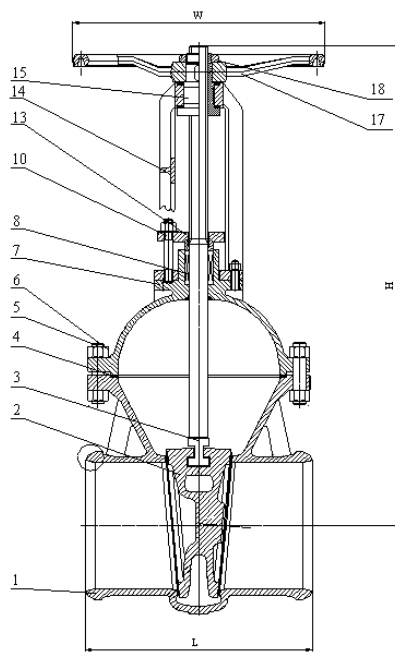


FIG.	Pressure	Material	Range
133.031 - BW	PN16	1.0619N	DN150-DN500
153.031 - BW	PN16	1.4408	DN150-DN500

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EN 1984.

Face to face : EN558-1 Ser.15

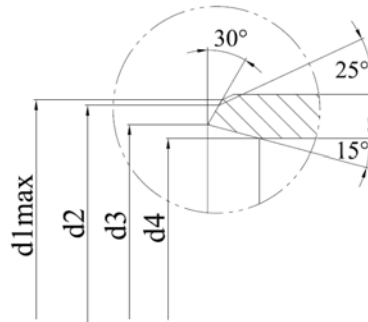
BW ends : EN 12627 or DIN 3239.

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)



Material list

NO.	Part	Material	
		FIG. 153.031 - BW	FIG. 133.031 - BW
1	Body	1.4408 + STL	1.0619N+13Cr
2	Wedge	1.4408	1.0619N +13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70/A2-70	1.7225(GC)
6	Nut	A4-70/A2-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70/A2-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	GGG 40.3	GGG 40.3
17	Handwheel	GGG 40.3	GGG 40.3
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d1max	d2	d3	d4	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)	FTF
16	150	350	176	171	159	150	670	400	Tr28×5LH	90	34	170	97.5	Ser.15
	200	400	228	222	207	200	830	400	Tr32×6LH	150	36	216	138.6	
	250	450	282	276	260	250	955	450	Tr36×6LH	200	46	276	242	
	300	500	331	325	309	300	1145	500	Tr40×7LH	310	46	322	381.2	
	350	550	365	359	341	350	1210	500	Tr40×7LH	400	53	371	396.8	
	400	600	417	411	387	400	1390	600	Tr44×8LH	450	53	424	592	
	500	700	518	512	482	500	1730	700	Tr50×8LH	700	67	536	939	

Note: The torque in the table does not contain safety factor.

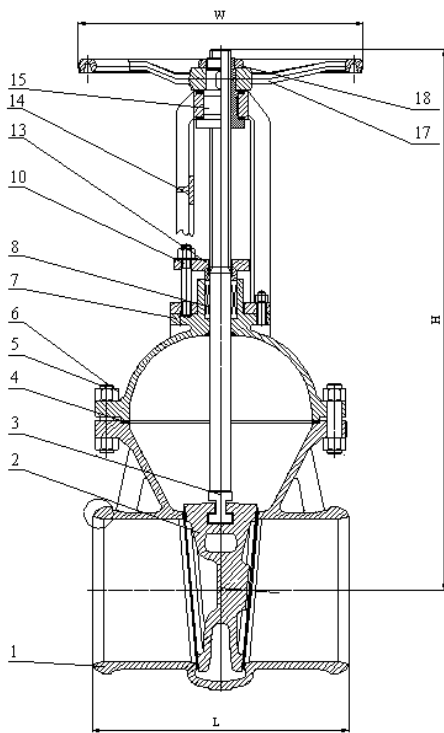


FIG.	Pressure	Material	Range
134.031 - BW	PN25	1.0619N	DN150-DN500
154.031 - BW	PN25	1.4408	DN150-DN500

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BW ends : EN 12627 or DIN 3239.

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 154.031 - BW	FIG. 134.031 - BW
1	Body	1.4408 + STL	1.0619N+13Cr
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70/A2-70	1.7225(GC)
6	Nut	A4-70/A2-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70/A2-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	GGG 40.3	GGG 40.3
17	Handwheel	GGG 40.3	GGG 40.3
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d1max	d2	d3	d4	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)	FTF
25	150	350	176	171	159	150	670	400	Tr28×5LH	90	34	170	100	Ser.15
	200	400	228	222	207	200	830	400	Tr32×6LH	160	36	216	138.6	
	250	450	282	276	260	250	955	450	Tr36×6LH	220	46	276	242	
	300	500	331	325	309	300	1145	500	Tr40×7LH	330	46	322	381.2	
	350	550	365	359	341	350	1210	500	Tr40×7LH	420	53	371	396.8	
	400	600	417	411	387	400	1390	600	Tr44×8LH	500	53	424	593	
	500	700	518	512	482	500	1730	700	Tr50×8LH	750	67	536	945	

Note: The torque in the table does not contain safety factor.

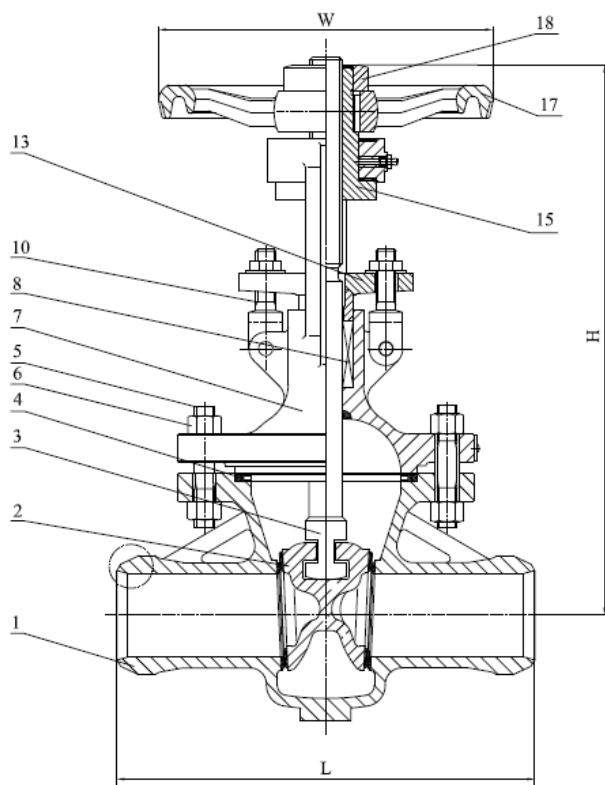


FIG.	Pressure	Material	Range
135.031 - BW	PN40	1.0619N	DN50-DN125
155.031 - BW	PN40	1.4408	DN50-DN125

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Temperature range :

-29℃~ +450℃ (1.0619N)

-196℃~ +400℃ (1.4408)

Material list

NO.	Part	Material	
		FIG. 155.031 - BW	FIG. 135.031 - BW
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr
2	Wedge	1.4408	1.0619N +13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70/A2-70	1.7225(GC)
6	Nut	A4-70/A2-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Fork bolt	A4-70/A2-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	GGG 40.3	GGG 40.3
17	Handwheel	GGG 40.3	GGG 40.3
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d1max	d2	d3	d4	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT.. (KG)	FTF
40	50	250	67	62	54	50	340	200	Tr20×4LH	35	15	60	23.1	Ser.26
	65	290	83	78	70	65	415	250	Tr24×5LH	40	17	85	34.1	
	80	310	96	91	82	80	420	250	Tr24×5LH	50	19	95	36.6	
	100	350	121	116	106	100	485	250	Tr26×5LH	55	23	115	55	
	125	400	147	142	131	125	590	350	Tr26×5LH	90	29	145	76	

Note: The torque in the table does not contain safety factor.

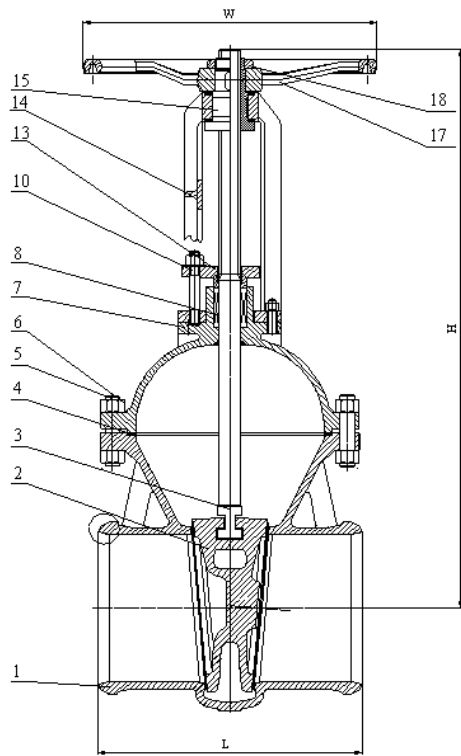
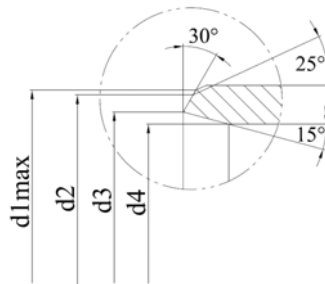


FIG.	Pressure	Material	Range
135.031 - BW	PN40	1.0619N	DN150-DN500
155.031 - BW	PN40	1.4408	DN150-DN500



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4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70/A2-70	1.7225(GC)
6	Nut	A4-70/A2-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70/A2-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	GGG 40.3	GGG 40.3
17	Handwheel	GGG 40.3	GGG 40.3
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d1max	d2	d3	d4	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)	FTF
40	150	450	176	171	159	150	670	400	Tr28×5LH	100	34	170	103.6	Ser.26
	200	550	228	222	207	200	830	400	Tr32×6LH	170	36	216	171	
	250	650	282	276	260	250	955	450	Tr36×6LH	230	46	276	299	
	300	750	331	325	309	300	1145	500	Tr44×8LH	350	40	320	445	

Note: The torque in the table does not contain safety factor.