

Design acc. :
AD 2000 A4, ATEX 2014/34/EU, EN 1984.
End to end : EN 12982 Ser.15/Ser.26
BW ends : EN 12627 Fig1/Fig2
Test acc. : EN12266.
Temperature range :
 -29℃~ +450℃(1.0619N)
 -196℃~ +400℃(1.4408)
Body : 1.0619N /1.4408

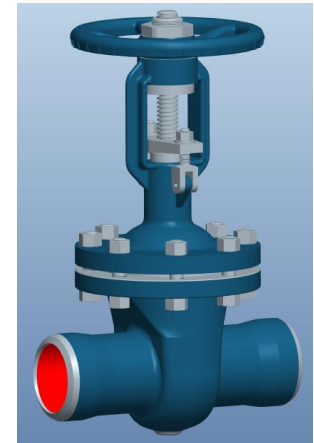
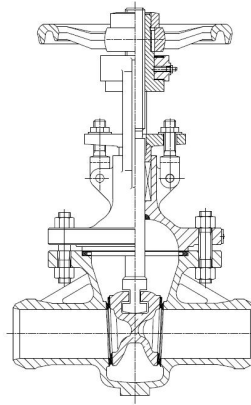
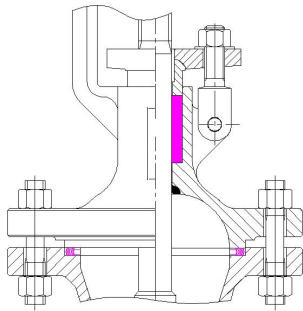
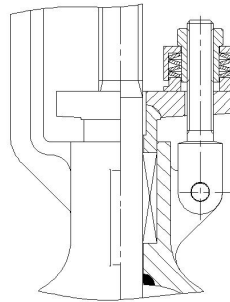


FIG: 031-BW

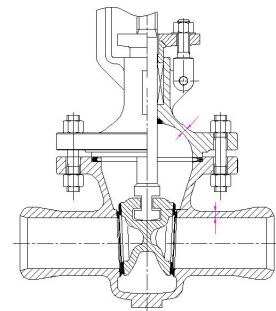
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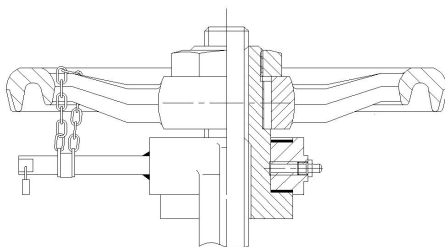
TA Luft gasket and TA Luft Packing



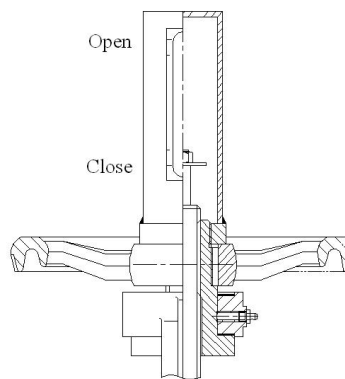
**TA Luft gasket and TA Luft Packing
with spring load system**



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



Locking device



Position indicator

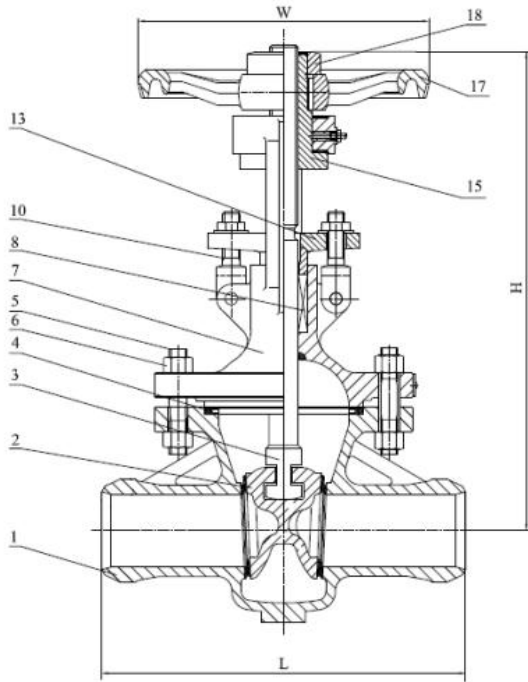
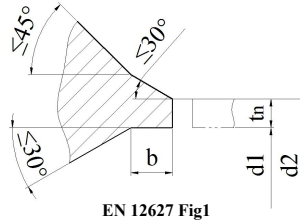
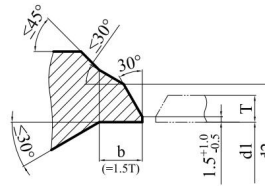


FIG.	Pressure	Material	Range
133.031 - BW	PN16	1.0619N	DN50-DN125
134.031 - BW	PN25	1.0619N	DN50-DN125
153.031 - BW	PN16	1.4408	DN50-DN125
154.031 - BW	PN25	1.4408	DN50-DN125



EN 12627 Fig1

tn ≤ 4mm DN50 - DN80



EN 12627 Fig2

4mm < T ≤ 22mm DN100 - DN125

**Design and manufacture acc. :
AD 2000 A4**

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.15

BW ends : EN 12627 Fig1/Fig2

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	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Fork bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
16/25	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	35	15	60	23.1
	65	270	77	68.9	6	Ø76.1×3.6	425	250	Tr24×5LH	40	17	85	32.9
	80	280	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	45	19	95	34.8
	100	300	117	104.3	8	Ø114.3×5.0	500	250	Tr26×5LH	50	23	115	50.0
	125	325	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	80	29	145	69.9

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

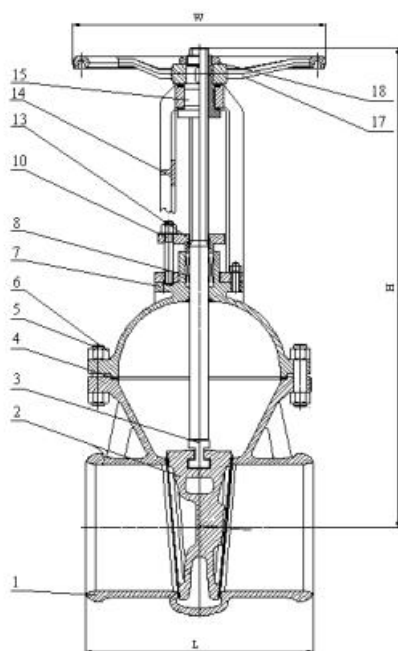


FIG.	Pressure	Material	Range
133.031 - BW	PN16	1.0619N	DN150-DN500
153.031 - BW	PN16	1.4408	DN150-DN500

**Design and manufacture acc. :
AD 2000 A4**

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.15

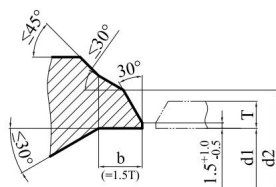
BW ends : EN 12627 Fig2

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500

Material list

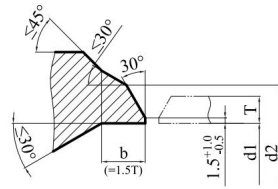
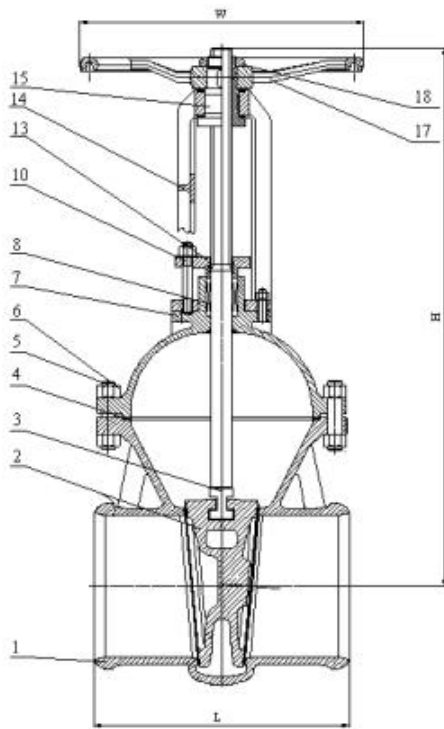
NO.	Part	Material	
		FIG. 153.031 - BW	FIG. 133.031 - BW
1	Body	1.4408 + STL	1.0619N+13Cr
2	Wedge	1.4408	1.0619N +13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	90	34	170	97.5
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	150	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	200	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	310	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	400	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	450	53	424	592.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	700	67	536	939.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500

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

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****End to end : EN 12982 Ser.15****BW ends : EN 12627 Fig2****Test acc. : EN12266.****Temperature range :****-29℃~+450℃(1.0619N)****-196℃~+400℃(1.4408)****Material list**

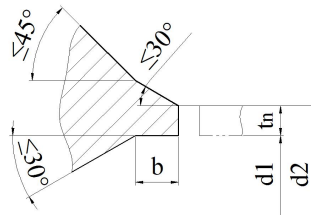
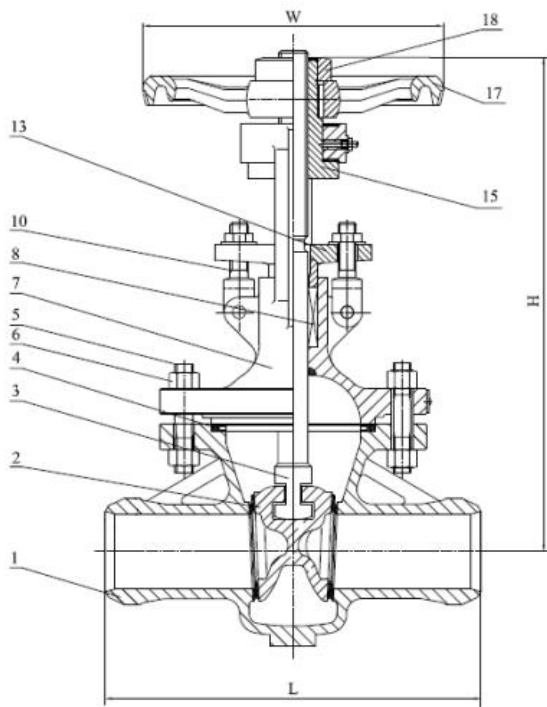
NO.	Part	Material	
		FIG. 154.031 - BW	FIG. 134.031 - BW
1	Body	1.4408 + STL	1.0619N+13Cr
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
25	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	90	34	170	100.0
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	160	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	220	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	330	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	420	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	500	53	424	593.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	750	67	536	945.0

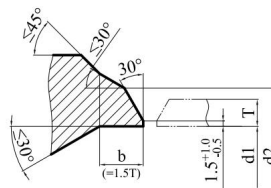
Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter× wall thickness.

2) The torque in the table does not contain safety factor.



EN 12627 Fig1

tn ≤ 4mm DN50 - DN80



EN 12627 Fig2

4mm < T ≤ 22mm DN100 - DN125

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

**Design and manufacture acc. :
AD 2000 A4**

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.26

BW ends : EN 12627 Fig1/Fig2

Test acc. : EN12266.

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

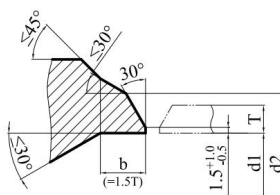
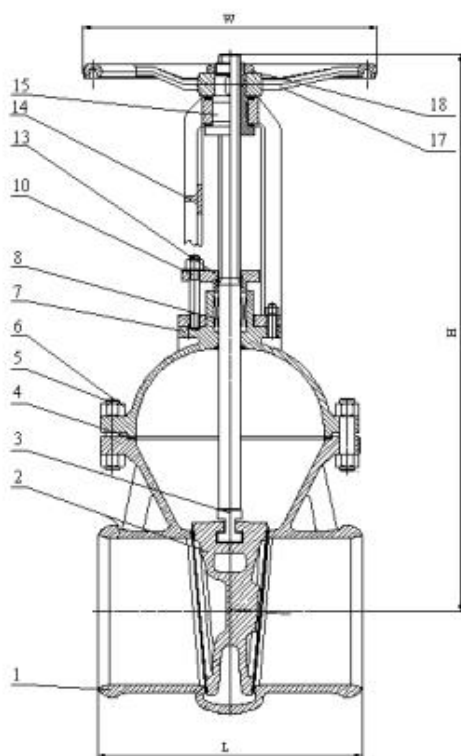
NO.	Part	Material	
		FIG. 155.031 - BW	FIG. 135.031 - BW
1	Body	1.4408 / 1.4408 + STL (> DN100)	1.0619N+13Cr
2	Wedge	1.4408	1.0619N +13Cr / 1.4006(≤DN100)
3	Stem	1.4401	1.4021
4	Body seal	1.4401+Graphite	1.4301+Graphite
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Fork bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT.. (KG)
40	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	35	15	60	23.1
	65	290	77	68.9	6	Ø76.1×3.6	415	250	Tr24×5LH	40	17	85	34.1
	80	310	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	50	19	95	36.6
	100	350	117	104.3	8	Ø114.3×5.0	485	250	Tr26×5LH	55	23	115	55.0
	125	400	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	90	29	145	76.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.



EN 12627 Fig2

4mm<T≤22mm DN150 - DN500

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

**Design and manufacture acc. :
AD 2000 A4**

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.26

BW ends : EN 12627 Fig2

Test acc. : EN12266.

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 + 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	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	Graphite	Graphite
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	150	450	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	100	34	170	103.6
	200	550	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	170	36	216	171.0
	250	650	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	230	46	276	299.0
	300	750	329	307.9	12	Ø323.9×8.0	1145	500	Tr44×8LH	350	40	320	445.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.