

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

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

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing

TA-Luft Gasket

Temperature range :

-29°C~ +450°C(1.0619N)

-196°C~ +400°C(1.4408)

Body : 1.0619N /1.4408

**Wall thickness for PN16 is the same
as for PN25 valves**

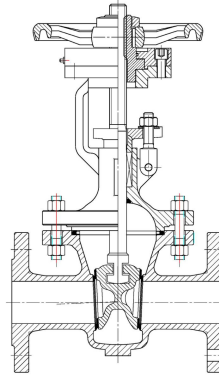


FIG : XXX.032

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FIG : 032

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

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

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing

TA-Luft Gasket

Temperature range :

-29°C~ +450°C(1.0619N)

-196°C~ +400°C(1.4408)

Body : 1.0619N /1.4408

**Wall thickness for PN16 is the same
as for PN25 valves**

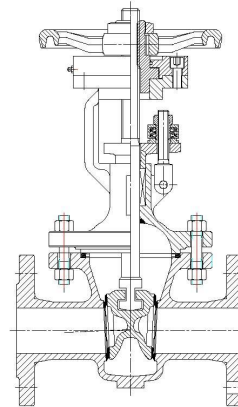
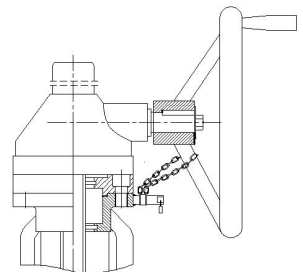
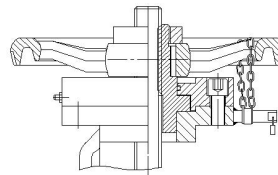
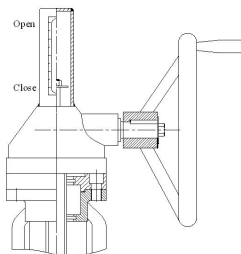
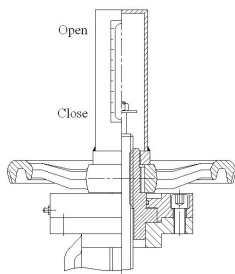


FIG : XXX.032 + spring load system

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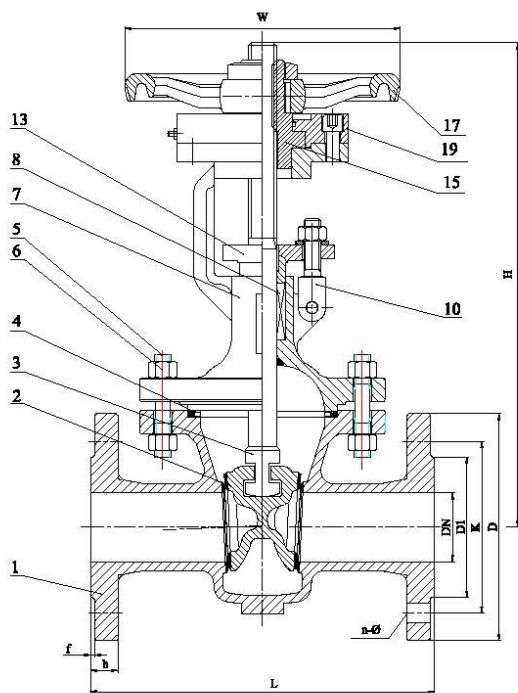
FIG : 032 + spring load system

Available



Position indicator

Locking device



Material list

FIG.	Pressure	Material	Range
133.032	PN16	1.0619N	DN50-DN125
134.032	PN25	1.0619N	DN50-DN125
153.032	PN16	1.4408	DN50-DN125
154.032	PN25	1.4408	DN50-DN125

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.15

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

NO.	Part	Material	
		FIG. 153.032 / 154.032	FIG. 133.032 / 134.032
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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	0.7040	0.7040
17	Handwheel	0.7040	0.7040
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	65	270	122	145	185	3	18	4	18	425	250	Tr24×5LH	F10	40	17	85	37.3
	80	280	138	160	200	3	20	8	18	420	250	Tr24×5LH	F10	45	19	95	40
	100	300	158	180	220	3	20	8	18	480	250	Tr26×5LH	F10	50	23	115	55.7
	125	325	188	210	250	3	22	8	18	590	350	Tr26×5LH	F10	80	29	145	77.3
25	65	270	122	145	185	3	22	8	18	425	250	Tr24×5LH	F10	40	17	85	37.3
	80	280	138	160	200	3	24	8	18	420	250	Tr24×5LH	F10	45	19	95	40
	100	300	162	190	235	3	24	8	22	500	250	Tr26×5LH	F10	50	23	115	56.8
	125	325	188	220	270	3	26	8	26	590	350	Tr26×5LH	F10	80	29	145	85.1
16/25	50	250	102	125	165	3	20	4	18	340	200	Tr20×4LH	F10	35	15	60	26.8

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

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Date: 22 Apr., 2026

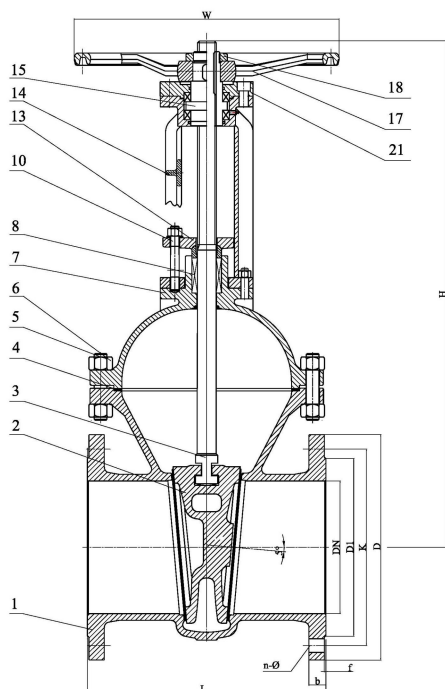


FIG.	Pressure	Material	Range
133.032	PN16	1.0619N	DN150-DN1200
153.032	PN16	1.4408	DN150-DN1200

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.15

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 153.032	FIG. 133.032
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(<DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	150	350	212	240	285	3	22	8	22	670	400	Tr28×5LH	F10	90	34	170	107
	200	400	268	295	340	3	24	12	22	830	400	Tr32×6LH	F14	150	36	216	152
	250	450	320	355	405	3	26	12	26	955	450	Tr36×6LH	F14	200	46	276	262
	300	500	378	410	460	4	28	12	26	1145	500	Tr40×7LH	F14	310	46	322	405
	350	550	438	470	520	4	30	16	26	1210	500	Tr40×7LH	F16	400	53	371	426
	400	600	490	525	580	4	32	16	30	1390	600	Tr44×8LH	F16	450	53	424	630
	500	700	610	650	715	4	36	20	33	1730	700	Tr50×8LH	F25	700	67	536	1015
	600	800	725	770	840	5	40	20	36	2120	750	Tr60×9LH	F30	1200	72	648	1309
	700	900	795	840	910	5	42	24	36	2320	860	Tr65×20(P10)LH	F30	2020	38	760	2079
	800	1000	900	950	1025	5	42	24	39	3200	1200	Tr70×20(P10)LH	F30	3120	44	880	3228
	900	1100	1000	1050	1125	5	44	28	39	4400	1200	Tr75×20(P10)LH	F35	4570	49	980	3708
	1000	1200	1115	1170	1255	5	46	28	42	4700	1200	Tr80×20(P10)LH	F40	6250	55	1100	5283
	1200	1400	1330	1390	1485	5	52	32	48	5200	1400	Tr85×24(P12)LH	F40	8840	56	1344	7858

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

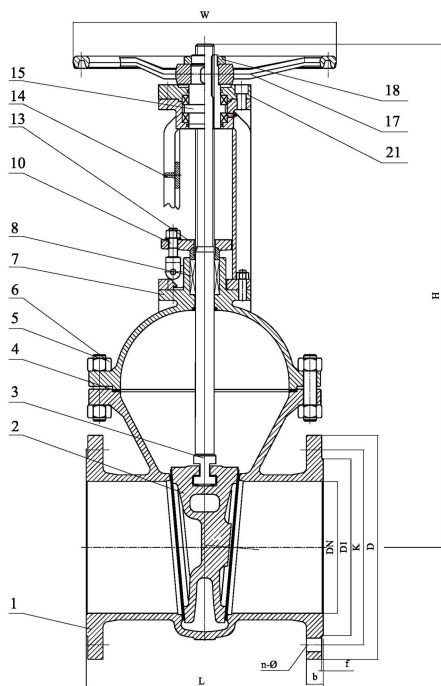


FIG.	Pressure	Material	Range
134.032	PN25	1.0619N	DN150-DN1200
154.032	PN25	1.4408	DN150-DN1200

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.15

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 154.032	FIG. 134.032
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(<DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
25	150	350	218	250	300	3	28	8	26	670	400	Tr28×5LH	F14	90	34	170	114
	200	400	278	310	360	3	30	12	26	830	400	Tr32×6LH	F14	160	36	216	164
	250	450	335	370	425	3	32	12	30	955	450	Tr36×6LH	F14	220	46	276	272
	300	500	395	430	485	4	34	16	30	1145	500	Tr40×7LH	F14	330	46	322	413
	350	550	450	490	555	4	38	16	33	1210	500	Tr40×7LH	F16	420	53	371	426
	400	600	505	550	620	4	40	16	36	1390	600	Tr44×8LH	F16	500	53	424	631
	500	700	615	660	730	4	44	20	36	1730	700	Tr50×8LH	F25	750	67	536	1091
	600	800	720	770	845	5	46	20	39	2120	750	Tr60×9LH	F30	1300	72	648	1348
	700	900	820	875	960	5	50	24	42	2320	860	Tr65×20(P10)LH	F35	2380	38	760	2183
	800	1000	930	990	1085	5	54	24	48	3200	1200	Tr70×20(P10)LH	F35	3650	44	880	3389
	900	1100	1030	1090	1185	5	58	28	48	4400	1200	Tr75×20(P10)LH	F40	5290	49	980	3893
	1000	1200	1140	1210	1320	5	62	28	56	4700	1200	Tr80×20(P10)LH	F40	7560	55	1100	5547
	1200	1400	1350	1420	1530	5	70	32	56	5200	1400	Tr85×24(P12)LH	F48	9870	56	1344	8251

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

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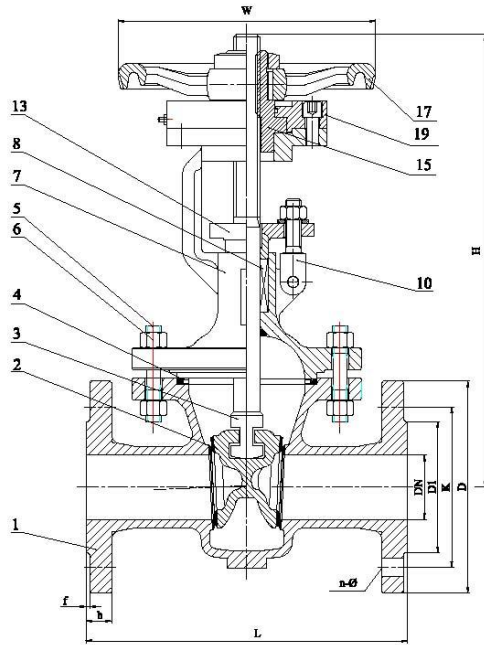


FIG.	Pressure	Material	Range
135.032	PN40	1.0619N	DN50-DN125
155.032	PN40	1.4408	DN50-DN125

Design and manufacture acc. :
AD 2000 A4
ATEX 2014/34/EU
EN 1984.
Face to face : EN558-1 Ser.26
Pipe conn. flange: EN1092-1.
Actuator conn. flange: ISO 5210
Test acc. : EN12266.
TA-Luft Packing & Gasket
Temperature range :
-29℃~ +450℃(1.0619N)
-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032	FIG. 135.032
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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	0.7040	0.7040
17	Handwheel	0.7040	0.7040
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	50	250	102	125	165	3	20	4	18	340	200	Tr20×4LH	F10	35	15	60	26.8
	65	290	122	145	185	3	22	8	18	415	39.3	Tr24×5LH	F10	40	17	85	39.3
	80	310	138	160	200	3	24	8	18	420	250	Tr24×5LH	F10	50	19	95	42.8
	100	350	162	190	235	3	24	8	22	485	250	Tr26×5LH	F10	55	23	115	63.6
	125	400	188	220	270	3	26	8	26	590	350	Tr26×5LH	F14	90	29	145	88

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

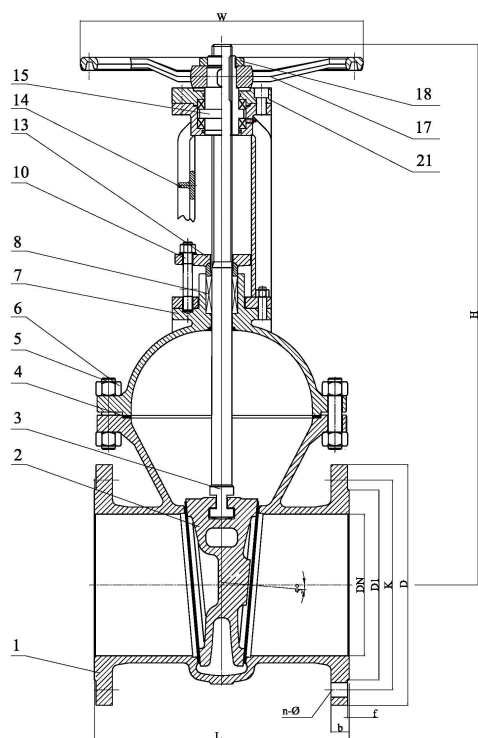


FIG.	Pressure	Material	Range
135.032	PN40	1.0619N	DN150-DN600
155.032	PN40	1.4408	DN150-DN600

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.26

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~+450℃(1.0619N)

-196℃~+400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032	FIG. 135.032
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	150	450	218	250	300	3	28	8	26	670	400	Tr28×5LH	F14	100	34	170	118
	200	550	285	320	375	3	34	12	30	830	400	Tr32×6LH	F14	170	36	216	196
	250	650	345	385	450	3	38	12	33	955	450	Tr36×6LH	F14	230	46	276	339
	300	750	410	450	515	4	42	16	33	1145	500	Tr44×7LH	F14	350	40	320	495
	350	850	465	510	580	4	46	16	36	1210	500	Tr46×8LH	F16	450	53	371	757
	400	950	535	585	660	4	50	16	39	1390	600	Tr48×8LH	F16	550	53	424	1004
	500	1150	615	670	755	4	52	20	39	1730	700	Tr55×9LH	F25	800	67	536	1567
	600	1350	735	795	890	5	60	20	48	2120	750	Tr65×20(P10)LH	F30	1500	32	640	2810

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

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https://www.fleu-valve.com

Date: 22 Apr., 2026

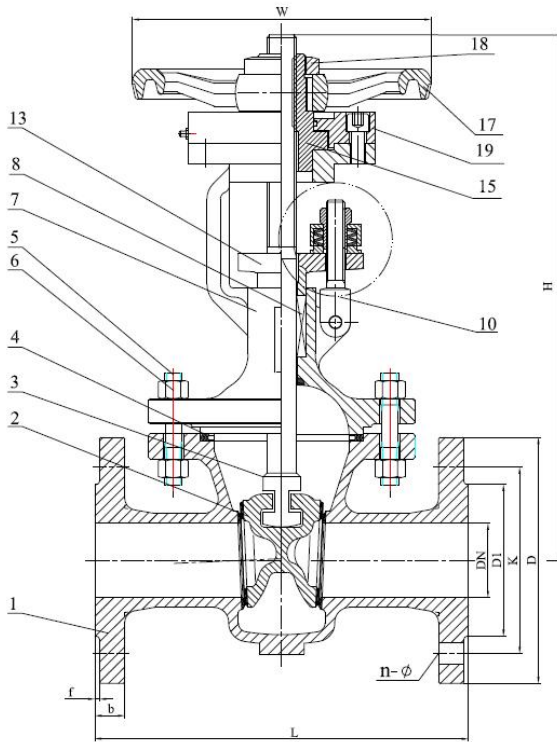
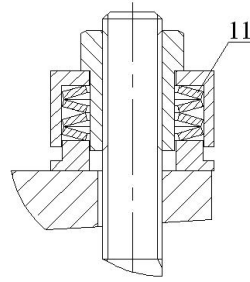


FIG.	Pressure	Material	Range
133.032 + spring load system	PN16	1.0619N	DN50-DN125
134.032 + spring load system	PN25	1.0619N	DN50-DN125
153.032 + spring load system	PN16	1.4408	DN50-DN125
154.032 + spring load system	PN25	1.4408	DN50-DN125



spring load system

Design and manufacture acc. :
AD 2000 A4
ATEX 2014/34/EU
EN 1984.
Face to face : EN558-1 Ser.15
Pipe conn. flange: EN1092-1.
Actuator conn. flange: ISO 5210
Test acc. : EN12266.
TA-Luft Packing & Gasket
Temperature range :
-29℃~+450℃(1.0619N)
-196℃~+400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 153.032+spring load system / 154.032 + spring load system	FIG. 133.032+ spring load system/ 134.032 + spring load system
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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)
11	Belleville spring	51CrV4	51CrV4
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
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	65	270	122	145	185	3	18	4	18	425	250	Tr24×5LH	F10	40	17	85	37.3
	80	280	138	160	200	3	20	8	18	420	250	Tr24×5LH	F10	45	19	95	40
	100	300	158	180	220	3	20	8	18	480	250	Tr26×5LH	F10	50	23	115	55.7
	125	325	188	210	250	3	22	8	18	590	350	Tr26×5LH	F10	80	29	145	77.3
25	65	270	122	145	185	3	22	8	18	425	250	Tr24×5LH	F10	40	17	85	37.3
	80	280	138	160	200	3	24	8	18	420	250	Tr24×5LH	F10	45	19	95	40
	100	300	162	190	235	3	24	8	22	500	250	Tr26×5LH	F10	50	23	115	56.8
	125	325	188	220	270	3	26	8	26	590	350	Tr26×5LH	F10	80	29	145	85.1
16/25	50	250	102	125	165	3	20	4	18	340	200	Tr20×4LH	F10	35	15	60	26.8

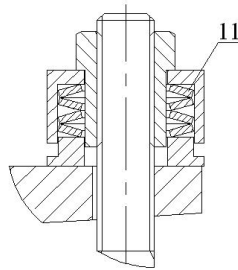
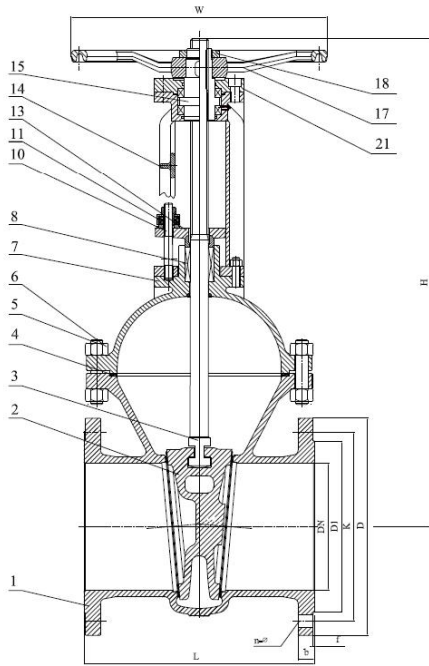
Note: The torque in the table does not contain safety factor.

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spring load system

FIG.	Pressure	Material	Range
133.032 + spring load system	PN16	1.0619N	DN150-DN1200
153.032 + spring load system	PN16	1.4408	DN150-DN1200

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.15

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29°C~ +450°C(1.0619N)

-196°C~ +400°C(1.4408)

Material list

NO.	Part	Material	
		FIG. 153.032 + spring load system	FIG. 133.032 + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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)
11	Belleville spring	51CrV4	51CrV4
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
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	150	350	212	240	285	3	22	8	22	670	400	Tr28×5LH	F10	90	34	170	107
	200	400	268	295	340	3	24	12	22	830	400	Tr32×6LH	F14	150	36	216	152
	250	450	320	355	405	3	26	12	26	955	450	Tr36×6LH	F14	200	46	276	262
	300	500	378	410	460	4	28	12	26	1145	500	Tr40×7LH	F14	310	46	322	405
	350	550	438	470	520	4	30	16	26	1210	500	Tr40×7LH	F16	400	53	371	426
	400	600	490	525	580	4	32	16	30	1390	600	Tr44×8LH	F16	450	53	424	630
	500	700	610	650	715	4	36	20	33	1730	700	Tr50×8LH	F25	700	67	536	1015
	600	800	725	770	840	5	40	20	36	2120	750	Tr60×9LH	F30	1200	72	648	1309
	700	900	795	840	910	5	42	24	36	2320	860	Tr65×20(P10)LH	F30	2020	38	760	2079
	800	1000	900	950	1025	5	42	24	39	3200	1200	Tr70×20(P10)LH	F30	3120	44	880	3228
	900	1100	1000	1050	1125	5	44	28	39	4400	1200	Tr75×20(P10)LH	F35	4570	49	980	3708
	1000	1200	1115	1170	1255	5	46	28	42	4700	1200	Tr80×20(P10)LH	F40	6250	55	1100	5283
	1200	1400	1330	1390	1485	5	52	32	48	5200	1400	Tr85×24(P12)LH	F40	8840	56	1344	7858

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

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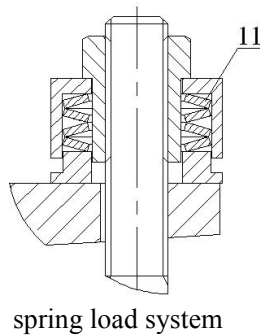
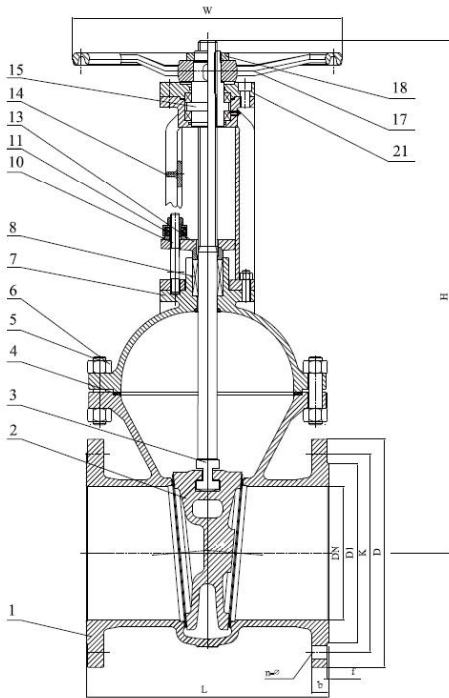


FIG.	Pressure	Material	Range
134.032 + spring load system	PN25	1.0619N	DN150-DN1200
154.032 + spring load system	PN25	1.4408	DN150-DN1200

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

Face to face : EN558-1 Ser.15

Pipe conn. flange: EN1092-1.

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~+450℃(1.0619N)

-196℃~+400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 154.032 + spring load system	FIG. 134.032 + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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)
11	Belleville spring	51CrV4	51CrV4
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
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Numbr of turn	Hub	WT. (KG)
25	150	350	218	250	300	3	28	8	26	670	400	Tr28×5LH	F14	90	34	170	114
	200	400	278	310	360	3	30	12	26	830	400	Tr32×6LH	F14	160	36	216	164
	250	450	335	370	425	3	32	12	30	955	450	Tr36×6LH	F14	220	46	276	272
	300	500	395	430	485	4	34	16	30	1145	500	Tr40×7LH	F14	330	46	322	413
	350	550	450	490	555	4	38	16	33	1210	500	Tr40×7LH	F16	420	53	371	426
	400	600	505	550	620	4	40	16	36	1390	600	Tr44×8LH	F16	500	53	424	631
	500	700	615	660	730	4	44	20	36	1730	700	Tr50×8LH	F25	750	67	536	1091
	600	800	720	770	845	5	46	20	39	2120	750	Tr60×9LH	F30	1300	72	648	1348
	700	900	820	875	960	5	50	24	42	2320	860	Tr65×20(P10)LH	F35	2380	38	760	2183
	800	1000	930	990	1085	5	54	24	48	3200	1200	Tr70×20(P10)LH	F35	3650	44	880	3389
	900	1100	1030	1090	1185	5	58	28	48	4400	1200	Tr75×20(P10)LH	F40	5290	49	980	3893
	1000	1200	1140	1210	1320	5	62	28	56	4700	1200	Tr80×20(P10)LH	F40	7560	55	1100	5547
	1200	1400	1350	1420	1530	5	70	32	56	5200	1400	Tr85×24(P12)LH	F48	9870	56	1344	8251

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

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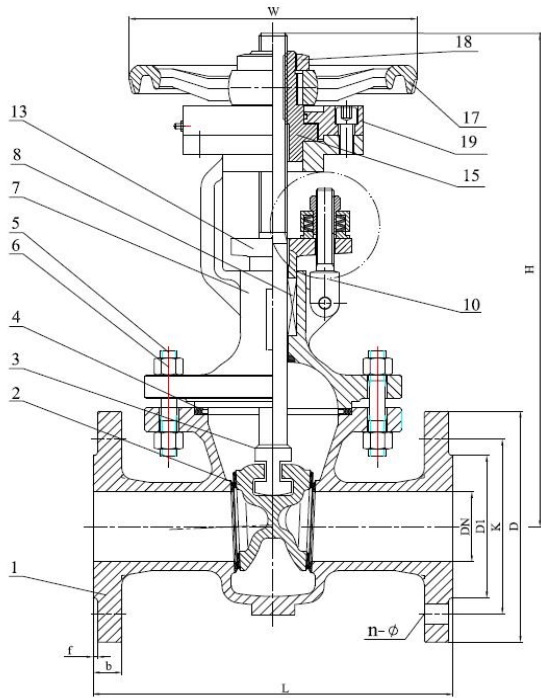
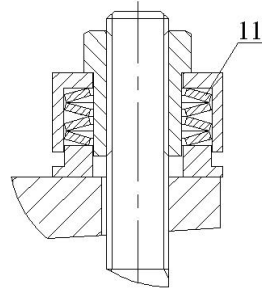


FIG.	Pressure	Material	Range
135.032 + spring load system	PN40	1.0619N	DN50-DN125
155.032 + spring load system	PN40	1.4408	DN50-DN125



spring load system

Design and manufacture acc. :
AD 2000 A4
ATEX 2014/34/EU
EN 1984.
Face to face : EN558-1 Ser.26
Pipe conn. flange: EN1092-1.
Actuator conn. flange: ISO 5210
Test acc. : EN12266.
TA-Luft Packing & Gasket
Temperature range :
-29℃~+450℃(1.0619N)
-196℃~+400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032 + spring load system	FIG. 135.032 + spring load system
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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)
11	Belleville spring	51CrV4	51CrV4
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
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	50	250	102	125	165	3	20	4	18	340	200	Tr20×4LH	F10	35	15	60	26.8
	65	290	122	145	185	3	22	8	18	415	39.3	Tr24×5LH	F10	40	17	85	39.3
	80	310	138	160	200	3	24	8	18	420	250	Tr24×5LH	F10	50	19	95	42.8
	100	350	162	190	235	3	24	8	22	485	250	Tr26×5LH	F10	55	23	115	63.6
	125	400	188	220	270	3	26	8	26	590	350	Tr26×5LH	F14	90	29	145	88

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

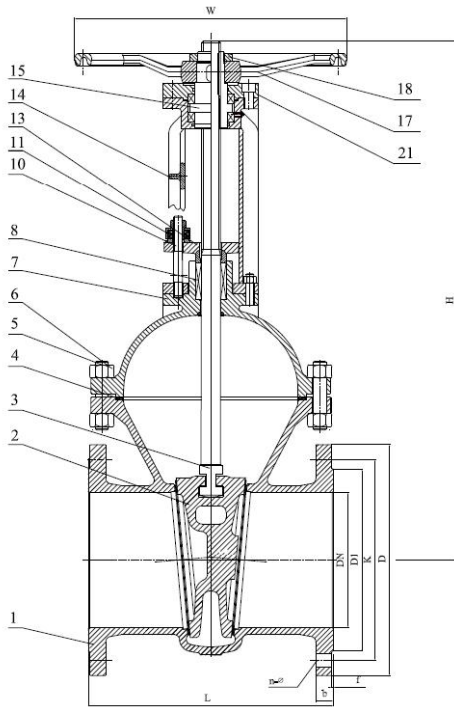
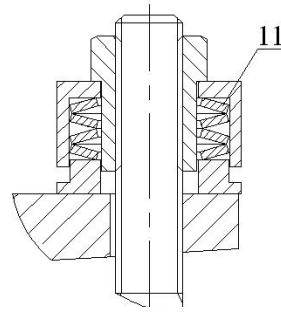


FIG.	Pressure	Material	Range
135.032 + spring load system	PN40	1.0619N	DN150-DN600
155.032 + spring load system	PN40	1.4408	DN150-DN600



spring load system

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****Face to face : EN558-1 Ser.26****Pipe conn. flange: EN1092-1.****Actuator conn. flange: ISO 5210****Test acc. : EN12266.****TA-Luft Packing & Gasket****Temperature range :****-29℃~ +450℃(1.0619N)****-196℃~ +400℃(1.4408)****Material list**

NO.	Part	Material	
		FIG. 155.032 + spring load system	FIG. 135.032 + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.4021
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.4021
3	Stem	1.4401	1.4021 / 1.4571
4	Body seal	1.4401+Graphite / 1.4571+Graphite	1.4301+Graphite / 1.4401+Graphite / 1.4571+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)
11	Belleville spring	51CrV4	51CrV4
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
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	D1	K	D	f	b	n	φ	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	150	450	218	250	300	3	28	8	26	670	400	Tr28×5LH	F14	100	34	170	118
	200	550	285	320	375	3	34	12	30	830	400	Tr32×6LH	F14	170	36	216	196
	250	650	345	385	450	3	38	12	33	955	450	Tr36×6LH	F14	230	46	276	339
	300	750	410	450	515	4	42	16	33	1145	500	Tr44×7LH	F14	350	40	320	495
	350	850	465	510	580	4	46	16	36	1210	500	Tr46×8LH	F16	450	53	371	757
	400	950	535	585	660	4	50	16	39	1390	600	Tr48×8LH	F16	550	53	424	1004
	500	1150	615	670	755	4	52	20	39	1730	700	Tr55×9LH	F25	800	67	536	1567
	600	1350	735	795	890	5	60	20	48	2120	750	Tr65×20(P10)LH	F30	1500	32	640	2810

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

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Pressure-temperature limit rating table

Body Material	Nominal Pressure(PN)	Temperature(℃)	Pressure(barg)
1.0619N	16	-10	16
		100	14.8
		150	14
		200	13.3
		250	12.1
		300	11
		350	10.2
		400	9.5
		450	5.2
1.0619N	25	-10	25
		100	23.2
		150	22
		200	20.8
		250	19
		300	17.2
		350	16
		400	14.8
		450	8.2
1.0619N	40	-10	40
		100	37.1
		150	35.2
		200	33.3
		250	30.4
		300	27.6
		350	25.7
		400	23.8
		450	13.1
1.4408	16	-10	16
		100	16
		150	14.5
		200	13.4
		250	12.7
		300	11.8
		350	11.4
		400	10.9
1.4408	25	-10	25
		100	25
		150	22.7
		200	21
		250	19.8
		300	18.5
		350	17.8
		400	17.1
1.4408	40	-10	40
		100	40
		150	36.3
		200	33.7
		250	31.8
		300	29.7
		350	28.5
		400	27.4