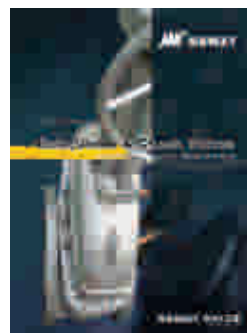
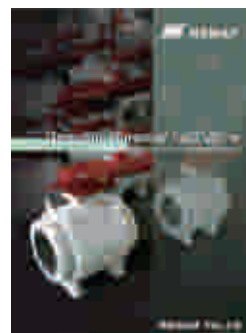




Cat.no.:E-PS



Cat.no.:E-GGC



Cat.no.:E-TMBV



Cat.no.:E-FBV



Cat.no.:E-DOV



Cat.no.:E-TOV



Cat.no.:E-PLV



Cat.no.:E-FSV



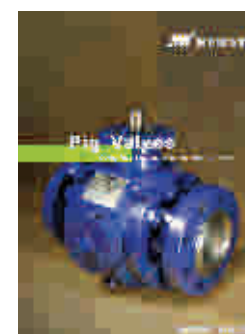
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Cat.no.:E-CPS



Cat.no.:E-CBV

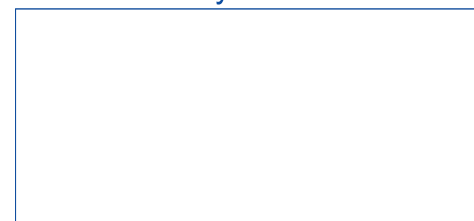


Cat.no.:E-PV

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NEWAY 纽威

API 600 ASME B16.34

Gate, Globe & Check Valves

Complete Solutions for Industrial Valves

NEWAY VALVE

Cat.no.:E-GGC-2019

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Complete Solutions for Industrial Valves

As a global leader of valve manufacturing, Neway (SSE:603699) is dedicated to the production, research, and development of industrial valves. Neway is committed to providing complete valve solutions to all industries through advanced engineering and innovation.

Neway’s product line includes Ball, Butterfly, Gate, Globe, Check, Nuclear, Control, Subsea, Safety valves. Our high quality standards and innovative ability are recognized by many global end users and EPCs. Neway valves are utilized in a wide variety of industries and working conditions such as Refining, Chemical, Coal Chemical, Offshore(including subsea), Air Separation, LNG, Nuclear Power, Power Generation, and Pipeline Transmission applications.

Facilities & Service

Neway has developed a sophisticated multi-plant management system operating one valve assembly plant, one API6A valve plant, three foundries, and one R&D center. Our largest assembly plant was expanded in 2013, and it now covers 230,000 square meters.

Advanced software (ANSYS, FE-Safe, CF-Design, Siemens PLM and NX) is applied here at Neway for the Research & Development of products. We use SAP to control the traceability and status of all products during the manufacturing process. In order to ensure the safety, eco-friendliness, and reliability of our products, we use the most advanced fire-safe, cryogenic, high pressure, and fugitive emission test equipment. As part of Neway’s global strategy, to provide better service to our customers, we have established our overseas subsidiaries in USA, Netherlands, Italy, Singapore and Dubai along with over 80 agents and distributors worldwide.

High Quality, High Value

Neway is dedicated to the pursuit of “Zero Defect ”. We maintain a quality management system that encompasses our entire operation from order entry, to final inspection. Through Neway’s continuous efforts, our products have achieved industrial certificates including ISO 9001, API 6A, API 6D, CE/PED, ASME N & NPT, TA-Luft, ABS, CU-TR and Fire-Safe approvals.

NORSOK



ISO 9001



API 6D



CE/PED

TA Luft



ABS

AD2000



Fire Safe Test

Neway recognizes the importance of valve quality for the safety and protection of personnel health and property. It is our quality commitment to focus our resources to provide our customers with first class products at a competitive price, that are designed, manufactured, inspected and tested in accordance with our customer's specifications and that comply with all international standards.

With respect to the facts that the current industrial standards do not always take into consideration the likelihood and consequences of possible deterioration in service, related to specific service fluids or the external environment in which they operate. Our customers are requested to keep an open line of communication with our engineering department to identify and implement standards, that will provide valves with the possibility of deterioration in service, so as to ensure safety over the valves expected lifetime.

API 600 & B16.34 Bolted Bonnet Valve

Type	Gate Valve						Globe Valve						Check Valve																
Size	150	300	600	900	1500	2500	150	300	600	900	1500	2500	150	300	600	900	1500	2500											
2"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
2.5"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
3"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
4"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
5"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
6"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
8"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
10"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
12"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
14"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
16"	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●										
18"	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●										
20"	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●										
24"	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●										
26"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
28"	●	●	●	●	●								●	●	●	●	●		●	●									
30"	●	●	●	●	●								●	●	●	●	●		●	●									
32"	●	●	●	●	●								●	●	●	●	●		●	●									
36"	●	●	●	●	●								●	●	●	●	●		●	●									
40"	●	●	●	●	●								●	●	●	●	●												
42"	●	●	●										●	●	●														
48"	●	●	●										●	●	●														
52"	●	●	●										●	●	●														
54"	●	●	●										●	●	●														
56"	●	●	●										●	●	●														
60"	●	●	●										●	●	●														
64"	●	●	●										●	●								●	●	●	●	●			
66"	●																												
68"	●																												
70"	●																												
72"	●																												

API 600 & B16.34 Pressure Seal Valve

Type	Gate Valve				Globe Valve				Check Valve														
Size	600	900	1500	2500	600	900	1500	2500	600	900	1500	2500											
2"	●	●	●	●	●	●	●	●	●	●	●	●											
2.5"	●	●	●	●	●	●	●	●	●	●	●	●											
3"	●	●	●	●	●	●	●	●	●	●	●	●											
4"	●	●	●	●	●	●	●	●	●	●	●	●											
5"	●	●	●	●	●	●	●	●	●	●	●	●											
6"	●	●	●	●	●	●	●	●	●	●	●	●											
8"	●	●	●	●	●	●	●	●	●	●	●	●											
10"	●	●	●	●	●	●	●	●	●	●	●	●											
12"	●	●	●	●	●	●	●	●	●	●	●	●											
14"	●	●	●	●	●	●	●		●	●	●	●											
16"	●	●	●	●	●	●			●	●	●	●											
18"	●	●	●	●	●				●	●	●	●											
20"	●	●	●	●	●					●	●	●	●										
24"	●	●	●	●	●						●	●	●	●									
26"	●	●	●								●	●	●										
28"	●	●	●								●	●	●										
30"	●	●	●								●	●	●										
32"	●	●	●								●	●	●										
36"	●	●	●								●	●	●										
40"	●										●												
42"	●										●												
48"	●										●												
52"	●										●												
54"	●										●												
56"	●										●												
60"	●										●												

- Note:
- 1. Face to face and end to end dimension conform to BS 2080,ANSI B16.10 or ISO 5752.
 - 2. Flange is in line with ANSI B16.5 in type and dimension.
 - 3. BW end dimension conform to ANSI B16.25.
 - 4. Inspection and test in accordance with API 598 or BS EN 12266.
 - 5. Valves larger than 64"are manufactured per Neway standards.

Technical Innovation

With cutting-edge computer technology utilized, NEWAY Technical Center focuses on providing outstanding quality products and developing new lines. There is a highly educated and well-trained engineering team, supported by a comprehensive internal computer network which links the entire operations of design, manufacturing and administration.

NEWAY design philosophy is to develop a safe and cost-efficient valve. We introduced the latest Ansys, Fe-safe, CF-design and NX software for all our new product design research which include the advanced finite element analysis, fluid and fatigue analysis to virtually verify the new design prior to production, which has resulted in dramatically shortening development duration and assure a safe and cost-efficient final product.

NEWAY technical personnel are always ready to offer on line or on site technical training and support for all of its distributors, agents and end users.



High Temperature Test



Low Temperature Test



Low Fugitive Emission Test



Flow Coefficient Test



Fire Safe Test





Valve casting quality is of prime importance for product life, personnel and environmental safety, particularly in high temperature and high pressure service as valve serves as one of pressure-containing equipment in process-controlled pipeline. Thus, castings are always certified firstly by the customers requiring strictly before a valve manufacturer is pre-qualified and approved as a qualified supplier.



Compared with most of other competitors, we own three foundries: two of them work on producing large-sized sand castings by organic ester water glass, and two of them are for production of small-sized investment castings by lost-wax casting. Besides, each is equipped with all kinds of quality inspection facilities, such as spectrum instrument, non-destructive test machinery, and mechanical property test device. Against such backdrop, Neway can monitor the whole process of manufacture to ensure product quality, delivery and competitive price and enable Neway to remain a creditable supplier for every customer.



Automatic Molding Line



Exported Sand Mixer

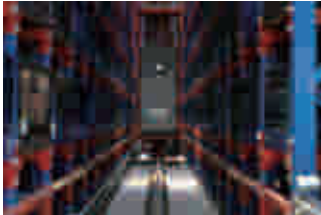


Automatic Forklift for Heat Treating

Supply Range & capacity :

Plant Name	Dafeng Foundry	Suzhou Foundry
Process Technology	Lost wax investment casting	Organic ester water glass sand casting
Size Range(in)	1/2" ~10"	2" ~64"
Pressure Rating	ANSI Class 150~600	ANSI Class 150~2500
Weight(Kg)	1~150	100~11000
Material	WCB, WCC, LCB, LCC, WC6, WC9, C5, C12, C12A, CF8, CF8M, CF3, CF3M, CN7M, Monel, Inconel, Duplex Steel, 4A,5A	
Monthly Capacity(Ton)	1500	1800
Quality Certificate	ISO9001,CE/PED, AD W0	ISO9001,CE/PED, Norsok

The latest computer technology has been extensively applied in NEWAY manufacturing, which includes a large number of numeric control machines (machining center, CNC horizontal and vertical lathe and CNC drilling machine) and ERP management system. Additionally, the data through all factories have been connected and shared. These facilitate resource integration, boost productivity, evidently enhancing machining quality and tightening process control.



NEWAY developed comprehensive and advanced inspection and test facilities to control the quality from rough castings or forgings to final products, which enable us to perform radiographic test, liquid penetrant test, magnetic-particle test, spectrum analysis, Material Positive Identification (MPI), impact test, tensile test, hardness test, fire safe test, cryogenic test, vacuum test, low fugitive emission test, high pressure gas test, ultrasonic testing and hydrostatic test.



1



2



3



4



- 1 20" Class 300 Gate Valve
- 2 42" Class 600 Gate Valve
- 3 64" Class 150 Gate Valve
- 4 18" Class 600 Cryogenic Gate Valve
- 5 32" Electric Gate Valve
- 6 24" Class 300 Pneumatically Actuated Gate Valve
- 7 24" Class 600 Gate Valve
- 8 16" Class 900 Pressure Seal Gate Valve
- 9 42" Class 150 Check Valve
- 10 A217 Gr. C12A Gate Valve

10



5



6



7

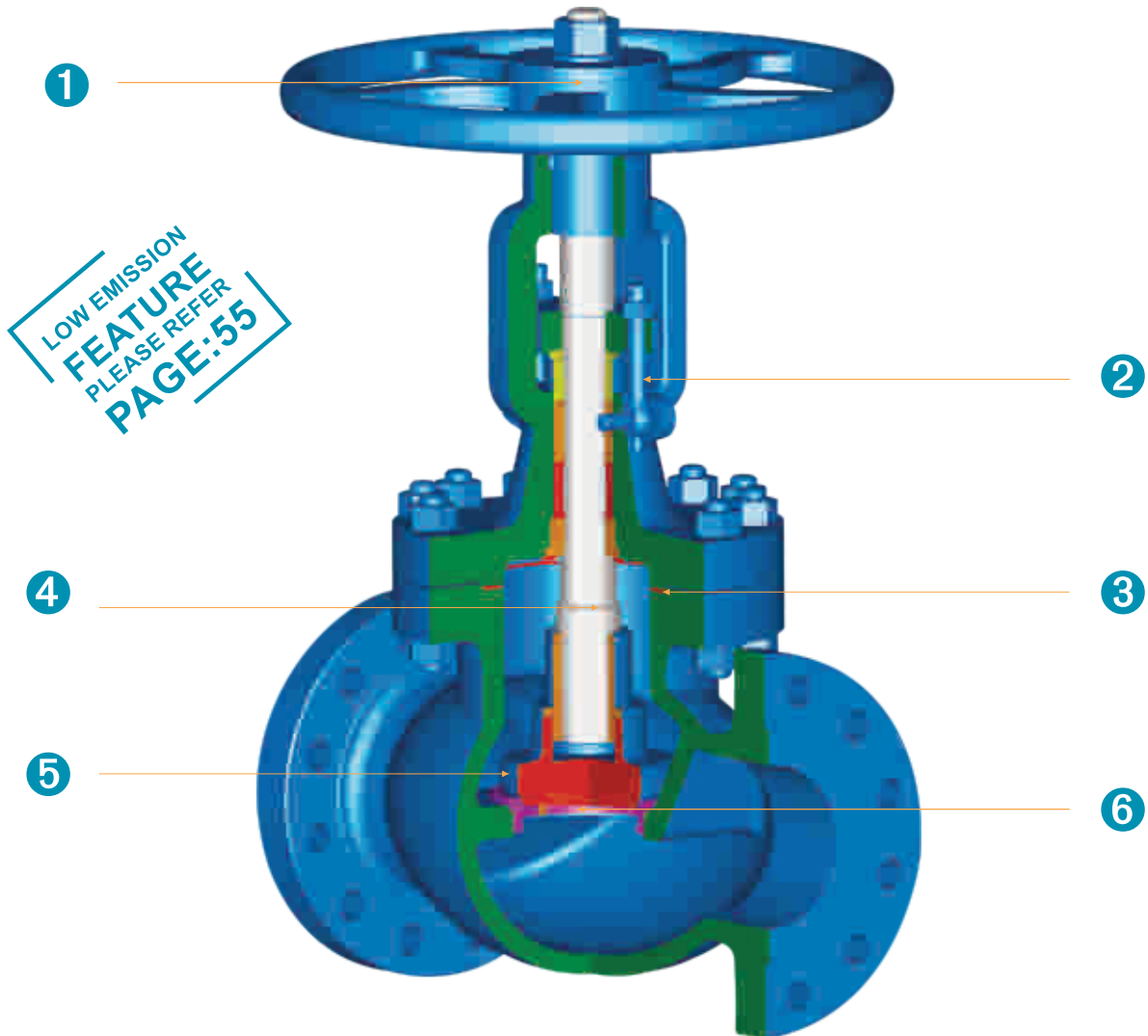


8



9





- 1 Impact handwheel supplied at manufacturer's option or on customer request.
- 2 Gland eyebolts are mounted to swing aside to facilitate packing maintenance.
- 3 Male and female bonnet joints for Class 150 to 600 valves, and ring joint for the Class 900 & above valves or as an option for Class 600 valves on customer request.
- 4 Anti blow-out stem design with conical backseat surface to permit repacking of valve in the fully open position.
- 5 Plug seat surface is standard disc design as well as spherical, parabola or flat seating surface is optional on customer request.
- 6 Seat face with stellite 6 is standard design.

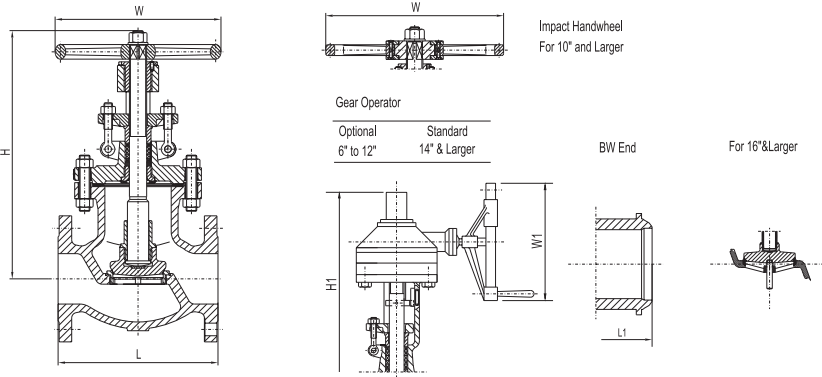
Part	Standard	Low Temperature Service	Stainless Steel	High Temperature Service	Sour Service
BODY	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
BONNET	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
DISC	ASTM A182-F6a ASTM A105/ER410 (FOR 4"&Larger)	ASTM A182-F316	ASTM A182-F316	ASTM A182-F22/STL.OVERLAY	ASTM A182-F6a-NC
STEM NUT	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
GLAND FLANGE	ASTM A216-WCB	ASTM A352-LCB	ASTM A351-CF8	ASTM A216-WCB	ASTM A216-WCB
HANDWHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
IMPACT BLOCK	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
RETAINER PLATE	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
SEAT RING	ASTM A105/STL.OVERLAY	ASTM A182-F316/STL.OVERLAY	ASTM A182-F316/STL.OVERLAY	ASTM A182-F22/STL.OVERLAY	ASTM A105/STL.OVERLAY
STEM	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
BACK SEAT	ASTM A276-420	ASTM A276-316	ASTM A276-316	ASTM A276-420	ASTM A276-420-NC
GLAND	ASTM A276-420	STAINLESS STEEL	ASTM A276-316	ASTM A276-420	ASTM A276-420-NC
SPACE RING	ASTM A276-420	ASTM A276-316	ASTM A276-316	ASTM A276-420	ASTM A276-420-NC
DISC NUT	ASTM A276-420	ASTM A276-316	ASTM A276-316	ASTM A276-420	ASTM A276-420-NC
STEM WASHER	ASTM A276-430	N/A	N/A	ASTM A276-430	STAINLESS STEEL
HANDWHEEL WASHER	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
BONNET GASKET	SOFT STEEL	ASTM A276-316	ASTM A276-316	SOFT STEEL	SOFT STEEL
PACKING	316+GRAPHITE	316+GRAPHITE	316+GRAPHITE	316+GRAPHITE	316+GRAPHITE
PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
BONNET STUD	ASTM A193-B7	ASTM A320-L7M	ASTM A193-B8 Class 2	ASTM A193-B16	ASTM A193-B7M
BONNET NUT	ASTM A194-2H	ASTM A194-7M	ASTM A194-8	ASTM A194-7	ASTM A194-2HM
EYE BOLT	ASTM A193-B7	ASTM A320-L7M	ASTM A193-B8	ASTM A193-B16	ASTM A193-B7M
GLAND NUT	ASTM A194-2H	ASTM A194-7M	ASTM A194-8	ASTM A194-7	ASTM A194-2HM
HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
EYE BOLT PIN	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
RIVET	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

Class 150 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL1R,C00/8
GL1B,C00/8



NPS		DN		L-L1 (RF-BW)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	8	203	8	200	—	—	13	338	—	—	19	16	19	16
2.5"	65	8.5	216	10	250	—	—	15	373	—	—	25	21	25	21
3"	80	9.5	241	10	250	—	—	16	396	—	—	35	29	35	29
3.5"	90	10.5	267	10	250	—	—	16	414	—	—	35	29	35	29
4"	100	11.5	292	12	300	—	—	19	476	—	—	48	40	48	40
5"	125	14	356	14	350	—	—	20	497	—	—	95	80	95	80
6"	150	16	406	14	350	12	305	21	524	24	606	104	87	104	87
8"	200	19.5	495	16	400	12	305	23	588	26	660	158	132	158	132
10"	250	24.5	622	20	500	18	458	29	738	30	752	315	264	315	264
12"	300	27.5	699	22	560	18	458	34	862	35	894	534	447	534	447
14"	350	31	787	—	—	18	458	—	—	40	1025	614	514	614	514
16"	400	36	914	—	—	24	610	—	—	44	1105	910	762	910	762
18"	450	38.5	978	—	—	24	610	—	—	48	1213	1034	866	1034	866
20"	500	38.5	978	—	—	24	610	—	—	52	1325	1430	1197	1430	1197
24"	600	51	1295	—	—	24	610	—	—	61	1549	1890	1582	1890	1582

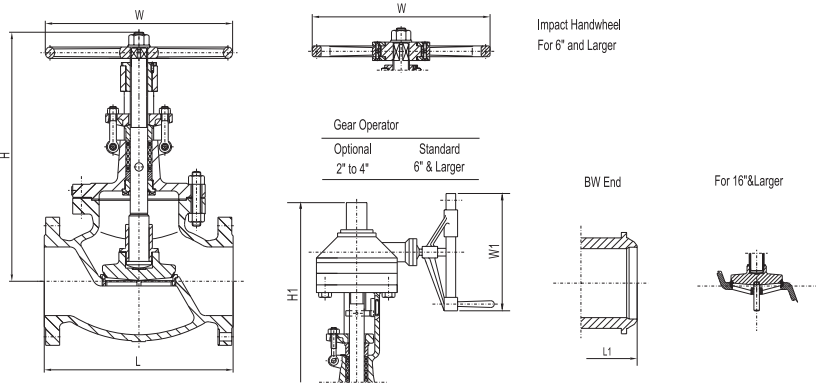
*(1) 关于24"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

Class 300 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL3R,C00/8
GL3B,C00/8



NPS		DN		L-L1 (RF-BW)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	10.5	267	8	200	12	305	13	333	18	447	28	24	28	24
2.5"	65	11.5	292	10	250	12	305	14	365	18	469	28	24	28	24
3"	80	12.5	318	10	250	12	305	15	391	18	466	50	42	50	42
3.5"	90	13.3	337	12	300	—	—	17	440	—	—	35	30	35	30
4"	100	14	356	14	350	12	305	18	459	21	541	80	68	80	68
5"	125	15.7	400	18	450	12	305	21	533	21	541	134	114	134	114
6"	150	17.5	444	20	500	12	305	25	627	28	719	180	153	180	153
8"	200	22	559	22	560	18	458	30	765	33	833	325	276	325	276
10"	250	24.5	622	24	600	24	610	33	836	41	1045	460	390	460	390
12"	300	28	711	26	650	28	710	35	901	46	1157	724	614	724	614
14"	350	33	838	28	700	24	610	46	1160	40	1027	1125	955	1125	955
16"	400	34	864	31	800	24	610	52	1310	55	1390	1650	1400	1650	1400
18"	450	38.5	978	—	—	32	810	—	—	63	1595	1877	1593	1877	1593
20"	500	40	1016	—	—	39	1000	—	—	63	1606	2125	1803	2125	1803
24"	600	53	1346	—	—	39	1000	—	—	75	1917	2373	2014	2373	2014

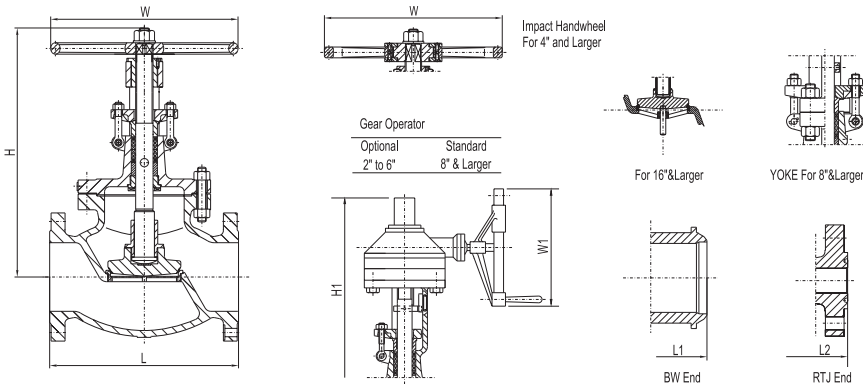
*(1) 关于24"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

Class 600 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL6R,C00/8
GL6B,C00/8



NPS	DN	L-L1 (RF-BW)		L2(RTJ)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	11.5	292	11.61	295	10	250	12	305	15	375	19	475	36	29
2.5"	65	13	330	13.11	333	12	300	—	—	17	432	—	—	50	40
3"	80	14	356	14.13	359	14	350	18	458	18	467	24	614	78	64
4"	100	17	432	17.13	435	18	450	12	305	22	570	25	626	126	91
5"	125	20	508	20.12	511	20	500	18	460	28	700	29	728	200	155
6"	150	22	559	22.13	562	22	560	18	458	29	740	33	829	284	227
8"	200	26	660	26.1	663	24	600	24	610	38	962	41	1052	543	460
10"	250	31	787	31.1	790	28	700	24	610	44	1106	46	1173	700	562
12"	300	33	838	33.11	841	31	800	24	610	49	1236	55	1399	900	739
14"	350	35	889	35.12	892	—	—	32	810	—	—	57	1454	1620	1054
16"	400	39	991	39.13	994	—	—	39	1000	—	—	61	1539	2160	1242
18"	450	43	1092	43.11	1095	—	—	47	1200	—	—	69	1764	3020	2310
20"	500	47	1194	47.24	1200	—	—	31	800	—	—	79	2000	3631	2778
24"	600	55.4	1407	55.79	1417	—	—	39	1000	—	—	90	2283	6320	4835

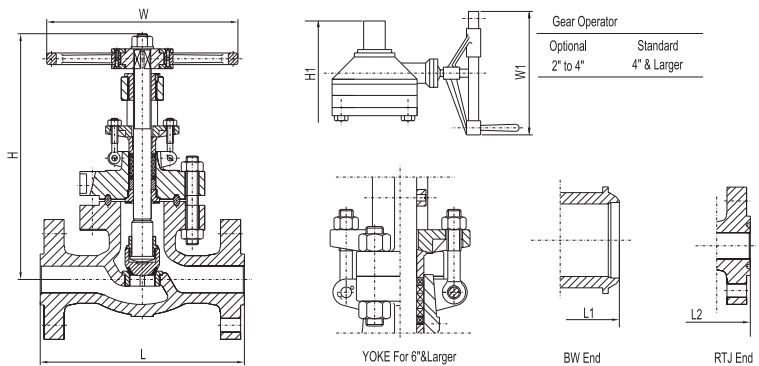
* (1) 关于24"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

Class 1500 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL15R,C00/5
GL15J,C00/5
GL15B,C00/5



NPS	DN	L-L1 (RF-BW)		L2(RTJ)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	14.5	368	14.61	371	14	350	12	305	19	476	21	521	110	75
2.5"	65	16.5	419	16.61	422	14	350	—	—	21	532	—	—	138	112
3"	80	18.5	470	18.62	473	20	500	24	610	24	617	27	680	190	156
4"	100	21.5	546	21.61	549	22	560	24	610	30	755	33	847	390	260
5"	125	26.5	673	26.61	676	—	—	24	610	—	—	41	1042	571	450
6"	150	27.8	705	27.99	711	—	—	24	610	—	—	44	1117	895	783
8"	200	32.8	832	33.15	842	—	—	24	610	—	—	52	1330	1400	1194
10"	250	39	991	39.39	1000.5	—	—	39	1000	—	—	61	1554	2250	1765
12"	300	44.5	1130	45.12	1146	—	—	39	1000	—	—	64	1619	3095	2430

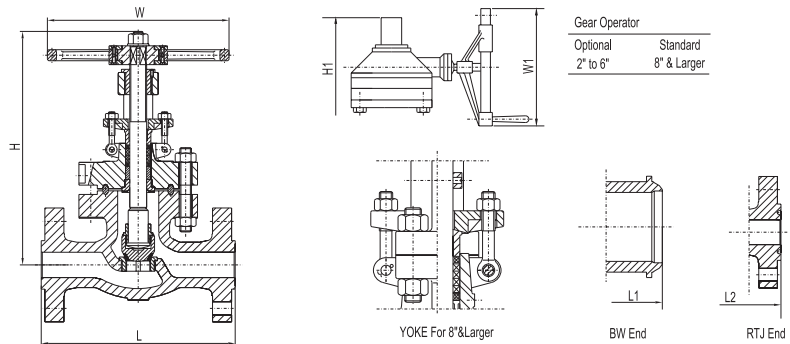
* (1) 关于12"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

Class 900 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL9R,C00/5
GL9J,C00/5
GL9B,C00/5



NPS	DN	L-L1 (RF-BW)		L2(RTJ)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	14.5	368	14.61	371	14	350	18	458	19	476	21	521	90	75
2.5"	65	16.5	419	16.61	422	14	350	—	—	20	500	—	—	146	116
3"	80	15	381	15.12	384	18	450	18	460	21	528	24	599	125	85
4"	100	18	457	18.11	460	20	500	18	458	26	657	32	803	180	158
6"	150	24	610	24.13	613	24	600	24	610	37	941	35	883	550	474
8"	200	29	737	29.13	740	—	—	24	610	—	—	43	1091	950	597
10"	250	33	838	33.11	841	—	—	24	610	—	—	51	1284	1270	1108
12"	300	38	965	38.11	968	—	—	39	1000	—	—	59	1500	1650	1245
14"	350	40.5	1029	40.91	1039	—	—	39	1000	—	—	69	1763	2235	1780
16"	400	44.5	1130	44.88	1140	—	—	39	1000	—	—	77	1967	3350	2670

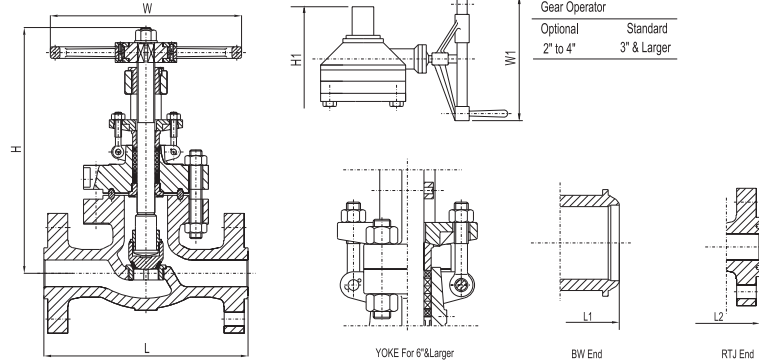
* (1) 关于16"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

Class 2500 Cast Carbon Steel Globe Valve

BS 1873 Design,
Bolted Bonnet, OS&Y,
Screwed-in Back Seat,
Rising Stem and Handwheel,
Swivel Disc

Figure NO.:

GL25R,C00/5
GL25J,C00/5
GL25B,C00/5



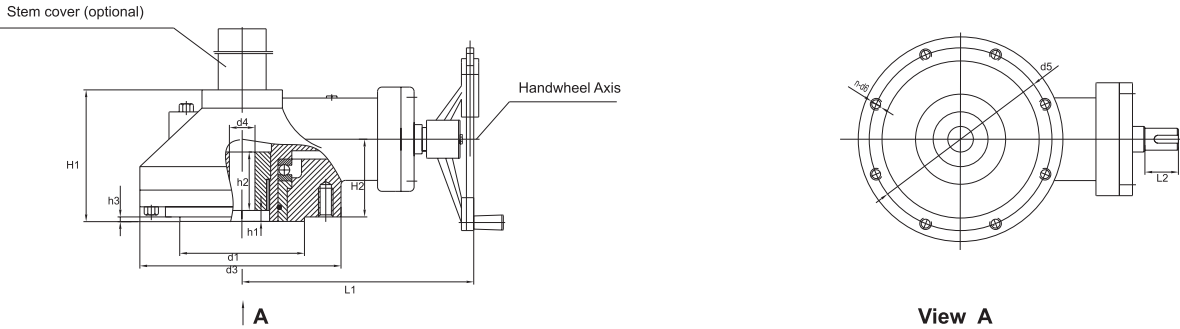
NPS	DN	L-L1 (RF-BW)		L2(RTJ)		W		W1		H		H1		WT(RF)	WT(BW)
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Kg	Kg
2"	50	17.8	451	17.87	454	18	450	18	458	20	509	22	552	140	114
2.5"	65	20	508	20.24	514	18	450	18	458	21	533	26	650	264	214
3"	80	22.8	578	22.99	584	24	600	24	610	27	674	29	744	342	285
4"	100	26.5	673	26.89	683	24	600	24	610	32	806	35	886	540	440
6"	150	36	914	36.5	927	—	—	24	610	—	—	50	1265	1535	1400
8"	200	40.2	1022	40.87	1038	—	—	39	1000	—	—	56	1428	2570	2150
10"	250	50	1270	50.87	1292	—	—	47	1200	—	—	67	1705	3618	3030
12"	300	56	1423	56.89	1445	—	—	31	800	—	—	80	2039	4613	3690

* (1) 关于12"以上阀门的详细资料请联系纽威销售部或技术部。截止阀超过此口径按Y型生产。

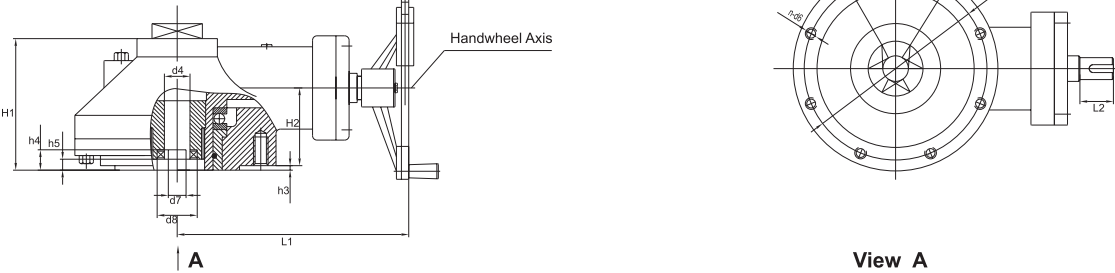
Globe Valve

Class	Size	2"					2-1/2"					3"					4"					5"					6"					8"														
Class 150	Pressure Rating	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—										
	Number of Turns	5					6					6					7					8					10					10														
	Thrust (KN)	7.7	9	11	13	—	9.4	12.2	15.1	17.9	—	12.1	15.0	20.0	24.0	—	18.1	23.0	30.0	37.0	—	24.2	33.0	44.0	56.0	—	29.5	42.0	58.0	73.0	—	43.6	65.0	91.0	117.0	—										
	Torque (N*M)	15.1	18.1	21.8	25.5	—	20.6	26.9	33.2	39.5	—	30.8	39.3	50.0	60.6	—	50.3	65.2	83.7	102.3	—	73.2	100.4	134.4	168.3	—	89.4	127.3	174.7	222.1	—	149.3	221.3	311.3	401.3	—										
Class 300	Pressure Rating	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa										
	Number of Turns	5					6					6					7					10					8					9														
	Thrust (KN)	9.2	12.9	16.7	20.5	24.6	12.2	17.9	23.6	29.3	35.6	15.4	23.8	32.1	40.5	49.7	24.1	37.4	50.7	64.0	78.6	38.6	61.1	83.5	106.0	130.7	49.9	81.3	112.6	144.0	178.5	82.0	135.9	189.8	243.7	303.0										
	Torque (N*M)	18.1	25.5	32.9	40.3	48.4	26.9	39.5	52.0	64.6	78.4	39.3	60.6	82.0	103.3	126.7	72.7	113.0	153.3	193.6	237.9	141.3	223.6	305.8	388.1	478.5	206.5	336.1	465.8	595.5	738.2	378.0	626.6	875.3	1124.0	1397.5										
Class 600	Pressure Rating	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa										
	Number of Turns	4					5					6					6					7					8					6														
	Thrust (KN)	20.1	27.6	33.3	38.9	47.2	29.7	41.1	49.6	58.2	70.7	38.5	55.2	67.8	80.3	98.7	60.1	86.7	106.7	126.7	156.0	90.6	135.5	169.2	202.9	252.3	129.1	191.8	238.8	285.9	354.8	202.2	310.0	390.9	471.8	590.4										
	Torque (N*M)	51.3	70.4	84.8	99.2	120.3	82.7	114.5	138.3	162.1	197.0	116.4	167.0	205.0	242.9	298.5	220.1	317.7	390.8	463.9	571.2	374.7	560.5	699.9	839.2	1043.7	595.4	884.6	1101.5	1318.4	1636.5	1083.3	1661.1	2094.4	2527.7	3163.3										
Class 900	Pressure Rating	5MPa	8MPa	10MPa	13MPa	15.3MPa	5MPa	8MPa	10MPa	13MPa	15.3MPa	5MPa	8MPa	10MPa	13MPa	15.3MPa	5MPa	8MPa	10MPa	13MPa	15.3MPa						5MPa	8MPa	10MPa	13MPa	15.3MPa	5MPa	8MPa	10MPa	13MPa	15.3MPa										
	Number of Turns	4										4					6										6					7														
	Thrust (KN)	36.2	46.3	53.0	63.1	70.9	46.7	61.7	71.7	86.7	98.2	59.6	82.4	97.6	120.3	137.7	96.2	133.9	159.1	196.8	225.7						197.5	281.1	336.8	420.4	484.5	312.8	459.8	557.8	704.7	817.4										
	Torque (N*M)	109.4	140.0	160.3	190.9	214.4	160.0	211.4	245.6	297.0	336.4	204.3	282.2	334.1	412.0	471.7	398.1	554.1	658.1	814.1	933.8						1058.2	1506.0	1804.6	2252.4	2595.7	1973.4	2900.4	3518.5	4445.6	5156.3										
Class 1500	Pressure Rating	5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa						5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa										
	Number of Turns	5										4					4										8					6														
	Thrust (KN)	39.4	56.2	73.1	89.9	108.5	50.3	75.3	100.3	125.3	152.8	79.8	120.8	161.7	202.6	247.6	131.1	199.9	268.7	337.6	413.3						220.8	362.3	503.9	645.4	801.1	319.1	530.0	740.8	951.7	1183.6										
	Torque (N*M)	119.1	170.1	221.0	272.0	328.1	172.4	258.0	343.6	429.2	523.4	330.3	499.5	668.8	838.0	1024.2	671.1	1023.5	1375.9	1728.4	2116.1						1392.5	2285.4	3178.3	4071.2	5053.4	2488.4	4132.8	5777.2	7421.6	9230.4										
Class 2500	Pressure Rating	10MPa	20MPa	30MPa	37MPa	42.5MPa	10MPa	20MPa	30MPa	37MPa	42.5MPa	10MPa	20MPa	30MPa	37MPa	42.5MPa	10MPa	20MPa	30MPa	37MPa	42.5MPa						5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa										
	Number of Turns	4										5					4										6					5														
	Thrust (KN)	53.9	78.7	103.6	121.0	134.7	84.4	130.2	175.9	208.0	233.1	114.8	185.1	255.4	304.6	343.2	181.0	284.5	387.9	460.3	517.2						273.3	437.6	601.8	716.7	807.0	498.8	804.1	1109.5	1323.2	1491.2										
	Torque (N*M)	184.4	269.6	354.8	414.5	461.3	309.2	476.7	644.3	761.6	853.7	474.8	765.6	1056.4	1259.9	1419.9	969.9	1524.0	2078.2	2466.1	2770.9						1937.0	3100.7	4264.3	5078.9	5718.9	4363.4	7034.8	9706.3	11576.3	13045.6										
Class	Size	10"					12"					14"					16"					18"					20"					24"														
Class 150	Pressure Rating	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—	0.6MPa	1MPa	1.5MPa	2MPa	—										
	Number of Turns	12					14					13					15																													
	Thrust (KN)	68.3	101.0	143.0	184.0		98.7	146.0	205.0	264.0	—	113.8	170.0	240.0	310.0	—	147.1	224.0	319.0	415.0	—	181.9	280.0	402.0	525.0	—	220.8	343.0	495.0	648.0	—	315.4	491.0	711.0	931.0	—										
	Torque (N*M)	282.5	419.7	591.1	762.6	—	455.3	672.7	944.5	1216.3	—	582.5	869.7	1228.7	1587.7	—	787.9	1197.8	1710.2	2222.5	—	1061.2	1632.5	2346.6	3060.7	—	1392.6	2162.4	3124.7	4087.1	—	2459.6	3831.3	5545.9	7260.6	—										
Class 300	Pressure Rating	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa	1MPa	2MPa	3MPa	4MPa	5.1MPa															
	Number of Turns	9					11										10										11																			
	Thrust (KN)	115.2	198.1	281.0	363.9	455.1	152.9	270.8	388.6	506.5	636.1	178.0	318.2	458.4	598.7	752.9	239.8	431.1	622.3	813.6	1024.0	308.9	545.3	781.7	1018.1	1278.1	321.8	571.0	820.2	1069.5	1343.6															
	Torque (N*M)	617.4	1061.5	1505.6	1949.7	2438.3	891.8	1579.2	2266.7	2954.1	3710.3	1122.7	2007.3	2891.9	3776.5	4749.5	1756.3	3157.0	4557.6	5958.3	7499.1	2555.7	4511.5	6467.2	8422.9	10574.2	2662.0	4723.9	6785.9	8847.9	11116.0															
Class 600	Pressure Rating	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa	3MPa	5MPa	6.5MPa	8MPa	10.2MPa																				
	Number of Turns	9					8																																							
	Thrust (KN)	289.8	451.5	572.9	694.2	872.1	347.3	518.3	646.6	774.9	963.1	450.1	689.7	869.4	1049.1	1312.7	566.2	873.1	1103.3	1333.6	1671.2	674.9	1044.2	1321.2	1598.2	2004.4																				
Class 900	Pressure Rating	5MPa	8MPa	10MPa	13MPa	15.3MPa	5MPa	8MPa	10MPa	13MPa	15.3MPa						5222.4	8053.6	10177.0	12300.4	15414.7	6866.5	10624.3	13442.6	16261.0	20394.5																				
	Number of Turns	7					8																																							
	Thrust (KN)	474.1	702.8	855.3	1084.1	1259.5	714.4	1047.3	1269.3	1602.2	1857.4																																			
	Torque (N*M)	3696.8	5480.9	6670.2	8454.2	9822.0	6929.2	10158.2	12310.9	15539.9	18015.5																																			
Class 1500	Pressure Rating	5MPa	10MPa	15MPa	20MPa	25.5MPa	5MPa	10MPa	15MPa	20MPa	25.5MPa																																			
	Number of Turns																																													
	Thrust (KN)	512.4	855.7	1198.9	1542.1	1919.6	600.1	1014.0	1427.9	1841.8	2297.2																																			
	Torque (N*M)	4483.1	7485.7	10488.3	13491.0	16793.9	5820.1	9834.8	13849.6	17864.3	22280.4																																			
Class 2500	Pressure Rating	10MPa	20MPa	30MPa	37MPa	42.5MPa																																								

BA Series for Gate & Globe Valves



BA-Y Series for Globe Valves



With the enhancement of people ecological awareness since 1960's, especially under the background of nowadays quick economic globalization, protecting environment is becoming common understanding in present global development, whether developed or developing countries, and had led to born associated law and regulation in different fields, including modern process industries.

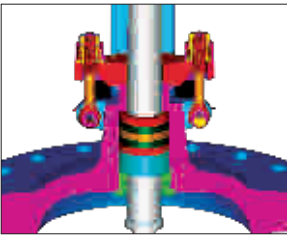
Industrial valves are one of main pollution sources in modern process industries because of fugitive emission. To minimize the risk of process media leaked through valves to human health, safety and environment, Neway developed low emission technology for all series valves, which featured the essential function of controlling effectively the fugitive emission leakage of various media from valves in virtue of emission defense material using and special structure design, and these valves are measured and tested in accordance with ISO 15848 or Shell SPE 77/312.



Design Features

Low Emission Packing

Neway actively works with reputable and industry leading sealing solution companies to create low emission solutions that can cover valves from cryogenic to extreme high temperature in variety of endurance range down to 10ppm without usage of bellow seal.



Stuffing box and stem finish

All surface finish for Neway valve's stem and stuffing boxes are tightly controlled to achieve optimized surface finish for the designated sealing solution.

Fugitive Emission Valve Test

Neway full series low emission gate, globe and check valves hIn addition to type testing, Neway offers production testing capabilities to ISO 15848-2, Shell MESC 77/312 or other customized testing standards. The table below presents typical test parameters.

Optional live-loaded eye bolt

Live-loaded eye bolt is optional on customer request. The special structure can maintain a permanent packing stress in virtue of a set of belleville spring, and extend the low emission service life. Neway standard Belleville springs are protected by a weatherproof cap to keep them from environmental contamination so as to ensure a long and continual stable work life.

1.Main Material:

Name of parts	Housing	Bevel gear	Output shaft	Stem nut
Material	ASTM A216-WCB	AISI 1045 & 5140	AISI 1045	ASTM A439-D2
Material	ASTM A352-LCB	AISI 1045 & 5140	AISI 1045	ASTM A439-D2

2.Technical Parameters:

Item	Type								
	BA000	BA00	BA0	BA1	BA2	BA3	BA4	BA5	BA6
Allowable torque(N.m)	200	400	750	1500	3000	6000(9000)	10000(15000)	22100	32000
Allowable thrust(KN)	40	100	150	200	350	840	1400	2400	2745
Reduction ratio	4:1	3:1	3:1	4.1:1	6:1	58:1(86:1)	86:1(104:1)	104:1(128:1)	125:1
Allowable stem diameter(mm)	25	42	55	62	75	115	125	125	150
Handwheel diameter(mm)	305	305	305	460	610	810	1000	1200	1200

Note: The allowable torque and the ratio parammeter in the brackets will be selected by the manufacturer.

3.Flange Type and Dimensions (mm)

Code Type	L1	L2	H1	H2	d1	d2	d3	d4(max)	d5	n-d6	d7	d8	h1	h2	h3	h4	h5	Flange type
BA000	200	45	100	59	70(f8)		146	25	102	4-M10	40	51	1	42	3	8	4	F10
BA00	210	60	122	76	100(f8)		178	42	140	4-M16	50	64.5	1	60	4	10	5	F14
BA0	232	60	135	84	130(f8)		210	55	165	4-M20	63	79	1	70	5	15	5	F16
BA1	283	60	160	95	200(f8)		289	62	254	8-M16	70	89	1	75	5	15	5	F25
BA2	370	60	220	140	230(f8)		346	75	298	8-M20	95	119	15	110	5	18	5	F30
BA3	610	60	330	328	260(f8)	428	510	115	356	8-M30	128	166	30	168	5	18	5	F35
BA4	668	110	360	410	300(f8)	475	620	125	406	8-M36	138	188	35	180	8	25	5	F40
BA5	668	110	360	410	370	544	690	125	483	12-M36	150	210	35	180	8	32	5	F48
BA6	1020	60	500	282	470	686	810	150	603	20-M36	178	240	40	230	8	40	5	F60

Test Standard	ISO 15848	Neway Acceptable Level	
		Stem Seal Leakage Rate	ISO 15848 class B 1.78x10 ⁻⁷ Pa.m ³ /s (Per mm Stem diameter)
Test Medium	97% Helium		
Test Pressure	Valve body pressure equals to the one specified in ASME B16.34 at selected temperature	Mechanical Cycles	100
Test Equipment	Helium Spectrometer	Temperature	-196 ~ 450℃

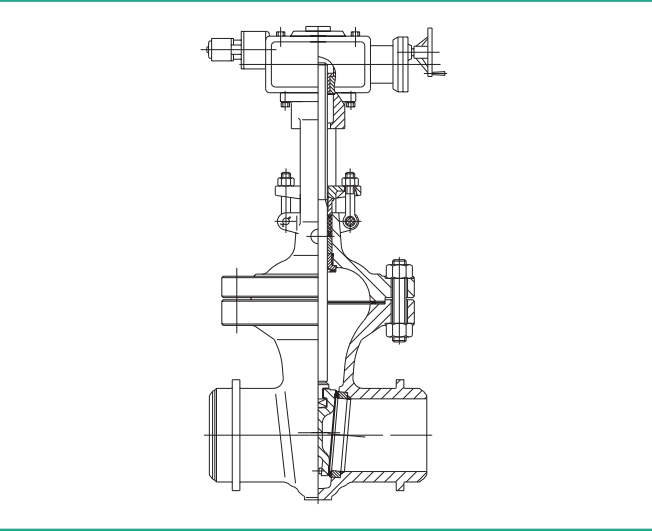
For servicing H₂S-containing environments in oil and gas production, Neway offers NACE valve made of the component metal materials specially heat-treated and hardness-controlled in compliance with NACE standard Mr0175 or 0103, so as to resist all

mechanisms of cracking that can be caused by H₂S, including sulfide stress cracking (SSC), stress corrosion cracking (SCC), and other hydrogen-induced cracking. Below table show typical Nace material configuration for Neway cast steel gate valves:

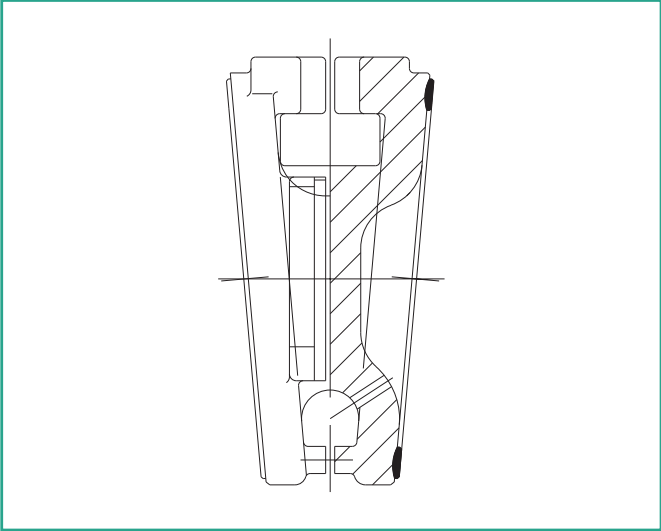
NACE Valves Compared to API 600 Valves

Valve Parts	ASTM Specification	API 600 Valves	NACE Valves
Body/Bonnet	A216 Gr. WCB	≤ 22HRC	≤ 22HRC
Wedge	A216 Gr. WCB or A217 CA15	Quenching + High Temperature Tempering 25~30HRC	Quenching + Double Tempering ≤ 22HRC
Seat Ring	A105 + Stellite 6 Overlayed	Stress Relieving Tempering Overlay hardness ≥ 38HRC	Stress Relieving Tempering Overlay hardness ≥ 38HRC
Stem	A182 F6a	Queching + High Temperature Tempering 17~22HRC	Queching + Double Tempering ≤ 22HRC
Gland	ANSI 420	Queching + High Temperature Tempering 31~35HRC	Queching + Double Tempering ≤ 22HRC
Backseat Bushing	ANSI 420	Queching + High Temperature Tempering 31~35HRC	Queching + Double Tempering ≤ 22HRC
Body/Bonnet Studs		ASTM A193 Grade B7	ASTM A193 Grade B7M
Body/Bonnet Nuts		ASTM A194 Grade 2H	ASTM A194 Grade 2HM

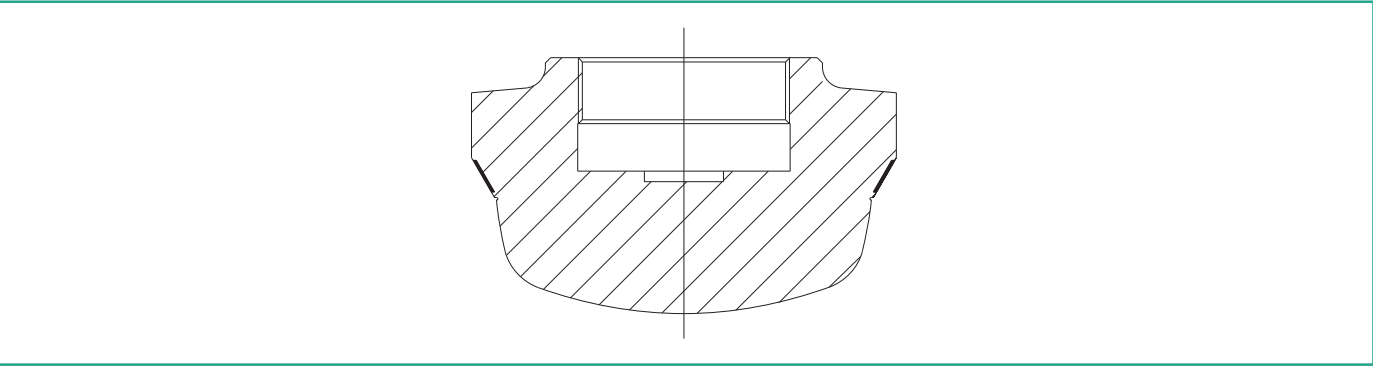
Special Design Feature



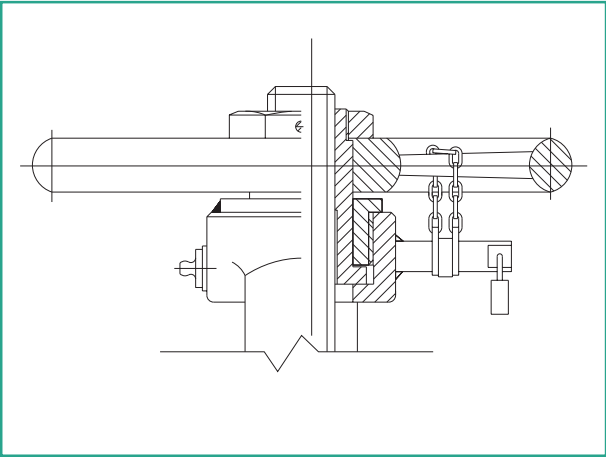
All gate and globe valves can be equipped with electric , Pneumatic or hydraulic actuator, per customer's specification.



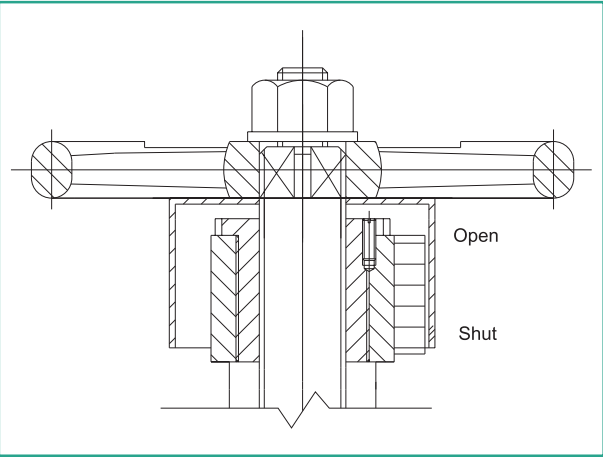
Pressure relief hole



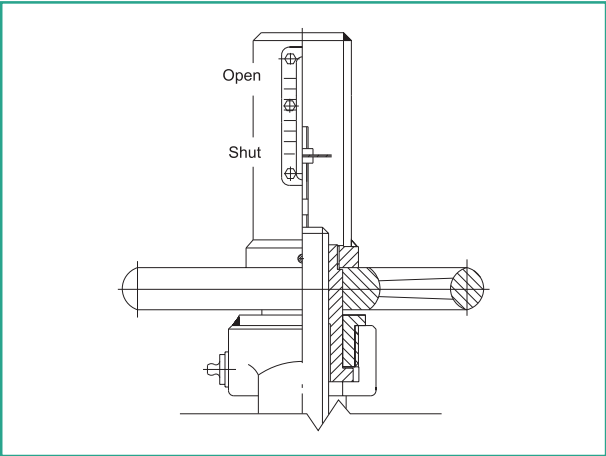
Parabola disc



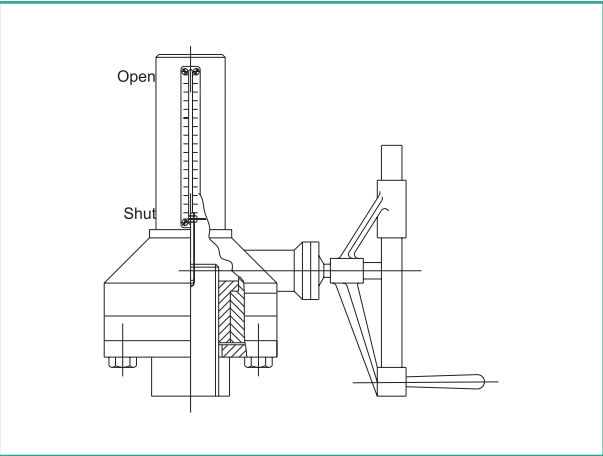
Locking device on the handwheel



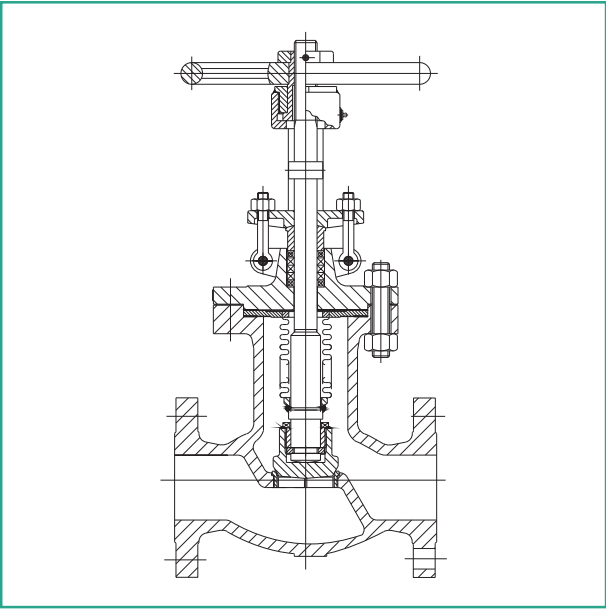
Position indicator on globe valves



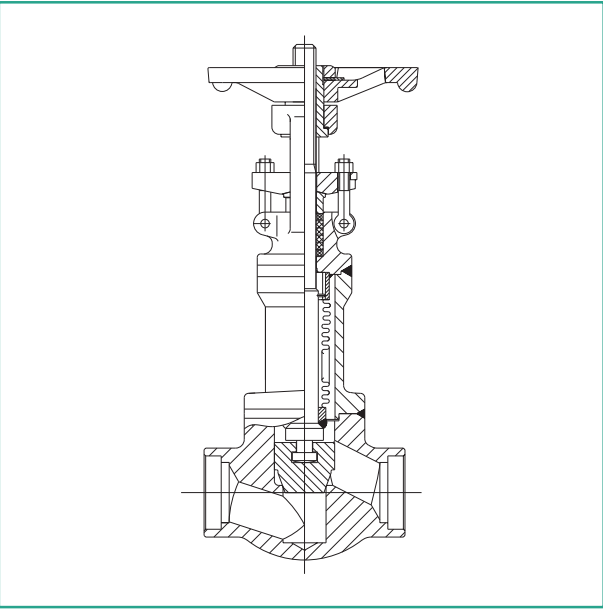
Position indicator on gate valves



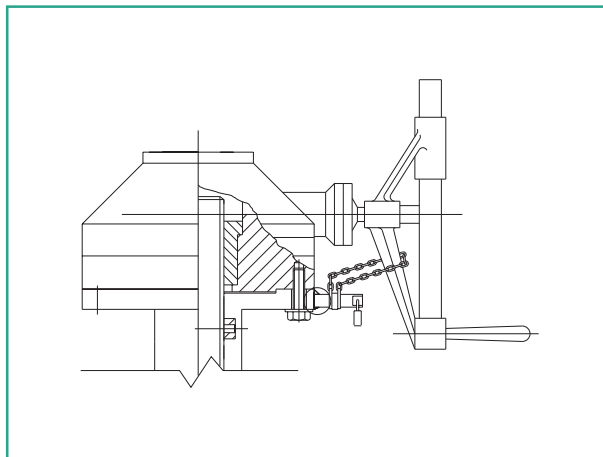
Position indicator on gear box



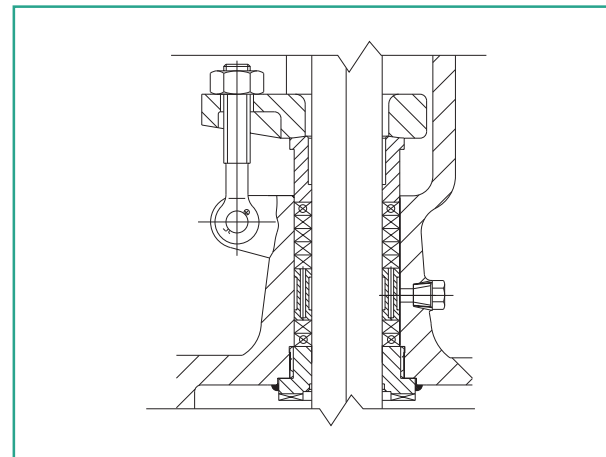
Casting steel bellows sealed valves



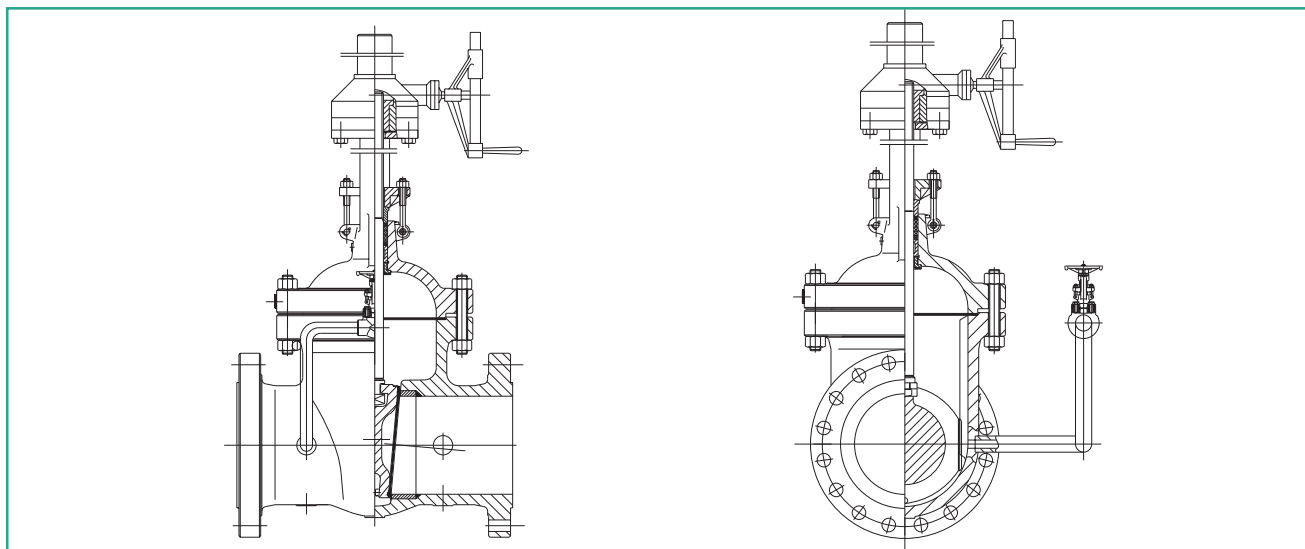
Forging steel bellows sealed valves



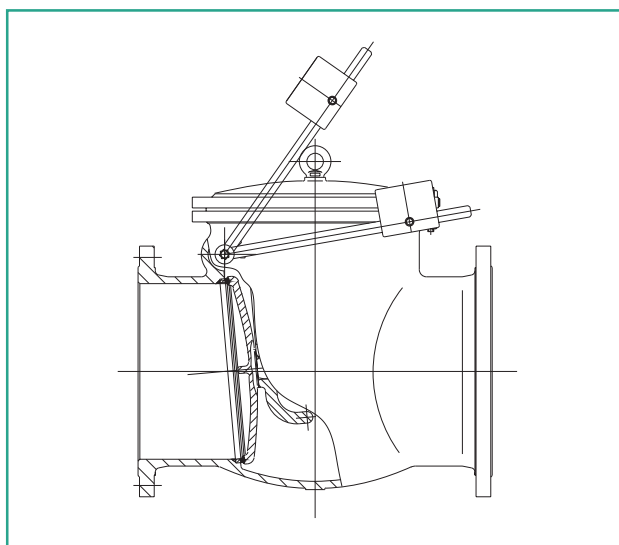
Locking device on the gear box



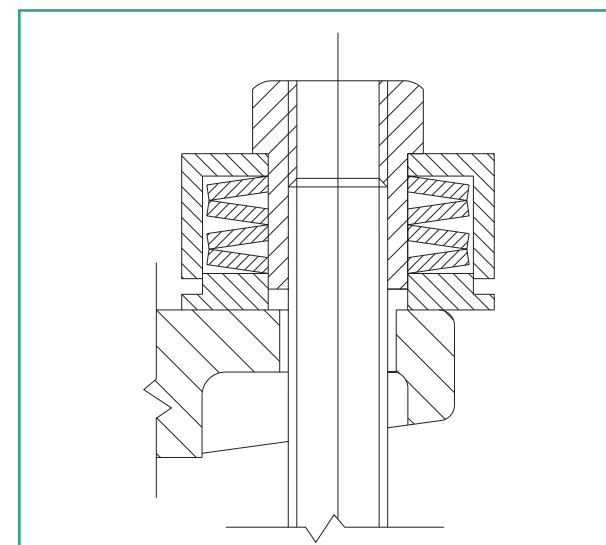
The lantern on the gate and globe valves



Special by-pass application



Check valves with damping box and equilibrium hammers



Live-loaded eye bolt

Seller will replace without charge or refund the purchase price of products provided by Seller which prove to be defective in material or workmanship, provided in each case that the product is properly installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the Seller within 18 months from the date of shipment or 12 months after installation, whichever occurs first. Seller shall in no event bear any labor, equipment, engineering or other costs incurred in connection with repair or replacement. The warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and seller's exclusive liability.