

NW NEWAY

API 600 ASME B16.34

Gate, Globe & Check Valves

Complete Solutions for Industrial Valves



NW NEWAY

Cat.no.: E-GGC-2016



Cat.no.: E-PLV



Cat.no.: E-TMBV



Cat.no.: E-FBV



Cat.no.: E-GV



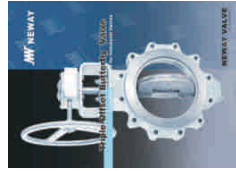
Cat.no.: E-PLV



Cat.no.: E-GGC



Cat.no.: E-FBV



Cat.no.: E-GV



Cat.no.: E-PLV



Cat.no.: E-GGC

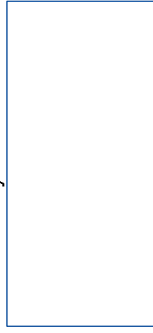


Cat.no.: E-FBV



Cat.no.: E-GV

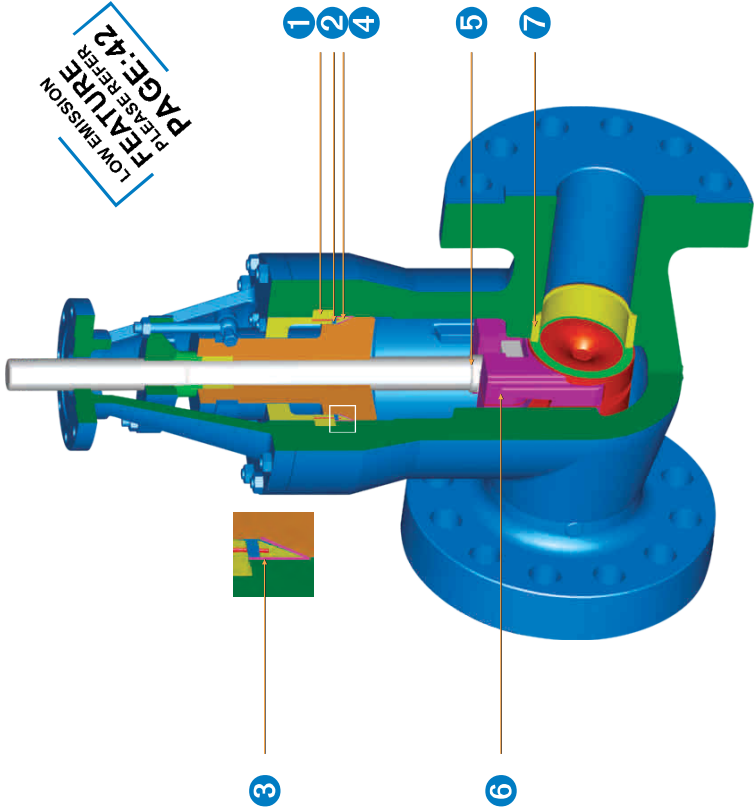
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- 1 Separated rings absorb the thrust along the stem applied by the internal pressure.
- 2 Sealing rings are used to withstand pressure and prevent deformation of the gaskets.
- 3 Stainless steel inlay to ensure soundness and corrosion-resistance in the critical body sealing zone for carbon and alloy steel valves.
- 4 Mild steel gasket seal to provide large contact area for perfect sealing.
- 5 Blowout proof stem design features tapered sealing surface which contacts against bonnet backseat when the valve is fully open.
- 6 Flexible wedge can compensate for seat face distortion and body deformation due to pipe stress.
- 7 Seat ring with stellite 6 overlay is standard design and installed with seal weld.

Part	Standard	Stainless Steel	High temperature Service	
BODY	ASTM A216-WCB	ASTM A351-CF8M	ASTM A217-WC6	ASTM A217-C12A
BONNET	ASTM A105	ASTM A182-F316	ASTM A182-F11	ASTM A217-C12A
WEDGE	ASTM A216-WC6ER410 & ASTM A217-CA15	ASTM A351-CF8M/STL OVERLAY	ASTM A217-WC6ER410 & ASTM A217-CA15	ASTM A217-C12AER410
STEM NUT	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
GLAND FLANGE	ASTM A216-WCB	ASTM A351-CF8	ASTM A216-WCB	ASTM A216-WCB
HANDWHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
SEAT RING	ASTM A105/STL OVERLAY	ASTM A182-F316/STL OVERLAY	ASTM A182-F11/STL OVERLAY	ASTM A182-F6a/STL OVERLAY
STEM	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a
BONNET SEAL RING	ASTM A182-F304/43Smaller GRAPHITE)	ASTM A182-F316/43Smaller GRAPHITE)	ASTM A182-F304/43Smaller GRAPHITE)	ASTM A182-F304/43Smaller GRAPHITE)
GLAND	ASTM A276-420	ASTM A276-316	ASTM A276-420	ASTM A276-420
RETAINING NUT FOR STEM NUT	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
YOKE	ASTM A216-WCB	ASTM A351-CF8	ASTM A216-WCB & ASTM A217-WC6	ASTM A216-WCB
PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
BONNET SEPARATE RING	CARBON STEEL	ASTM A276-420	ANSI 4140	ANSI 4140
CLIPPING RING	ASTM A216-WCB	ASTM A351-CF8	ASTM A217-WC6	ASTM A276-420
HANDWHEEL NUT	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
BONNET STUD	ASTM A193-B7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B16
BONNET NUT	ASTM A194-2H	ASTM A194-8	ASTM A194-4	ASTM A194-4
YOKE STUD	ASTM A193-B7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B16
YOKE NUT	ASTM A194-2H	ASTM A194-8	ASTM A194-4	ASTM A194-4
GLAND EYE BOLT	ASTM A193-B7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B16
GLAND NUT	ASTM A194-2H	ASTM A194-8	ASTM A194-4	ASTM A194-4
BONNET THRUST RING	CARBON STEEL	ASTM A276-420	ANSI 4140	ANSI 4140
SUPPORTING COVER	ASTM A105	ASTM A276-420	ANSI 4140	ANSI 4140
CLIPPING RING BOLT	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
RIVET	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	STAINLESS STEEL
NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

Notes: Above materials are general, when ordered, Please contact NEWAY Sales or technical team to confirm the details.

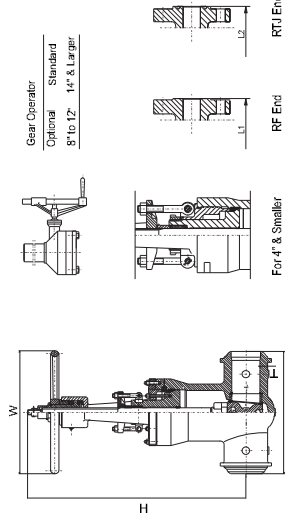
Class 600

Cast Carbon Steel Gate Valve

ASME B16.34,
Pressure Seal, OS&Y, Rising Stem,
Non-rising Handwheel,
Flexible Wedge

Figure NO.:

G6R-PS,WCB/NO.5
G6S-PS,WCB/NO.5
G6J-PS,WCB/NO.5



NPS	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750
L (RF)	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L2 (RTJ)	1162	1312	1412	1712	2012	2212	2612	3112	3312	3512	3912	4313	4725	5538	5750	6150	6550
W	295	333	359	435	511	562	663	790	841	892	994	1095	1200	1407	1460.5	1562	1664
H	200	250	250	350	400	450	500	600	680	610	610	610	610	800	800	1000	1000
WT(RF)	23.2	24.8	26.3	36	39.4	42.5	49.9	59.5	70.5	73.1	86.3	97.25	118.13	128	137.88	149	149
WT(RF)	629	629	667	914	1000	1080	1267	1511	1751	1857	2162	2251	2470	3000	3251	3502	3785
WT(BW)	70	95	100	148	208	245	320	430	515	670	905	1150	1445	2080	2445	2835	3250
WT(BW)	62	80	84	115	150	171	215	268	318	435	570	720	890	1285	1510	1750	2010

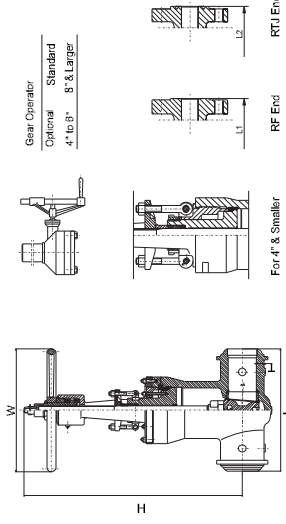
Class 900

Cast Carbon Steel Gate Valve

ASME B16.34,
Pressure Seal, OS&Y, Rising Stem,
Non-rising Handwheel,
Flexible Wedge

Figure NO.:

G9R-PS,WCB/NO.5
G9S-PS,WCB/NO.5
G9J-PS,WCB/NO.5



NPS	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L (BW)	216	254	305	356	508	660	787	914	991	1092	1219	1321	1549	1638	1727	1816
L1 (RF)	11.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52	61	61	-	-
L2 (RTJ)	14.62	16.62	15.12	16.12	24.12	29.12	33.12	36.12	40.88	44.88	48.5	52.5	61.75	-	-	-
W	250	250	300	350	500	600	610	610	610	610	610	610	800	800	1000	1000
H	230	30	30	34	40	50	61	70	80	89	97.25	108.25	127.62	138.25	149	159.5
WT(RF)	594	753	756	864	1013	1276	1543	1781	2026	2261	2470	2750	3242	3512	3785	4051
WT(BW)	63	99	107	168	294	693	1008	1418	1785	2520	3320	4400	6770	8400	-	-
WT(BW)	42	67	70	108	194	520	772	1103	1470	2048	2730	3685	5430	6370	7385	8480

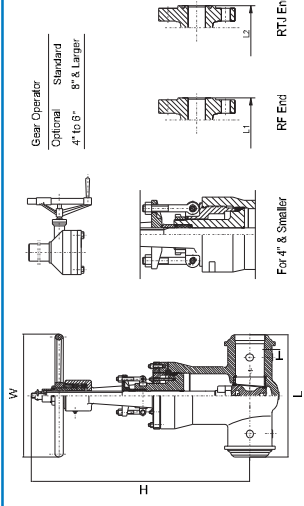
Class 1500

Cast Carbon Steel Gate Valve

ASME B16.34,
Pressure Seal, OS&Y, Rising Stem,
Non-rising Handwheel,
Flexible Wedge

Figure NO.:

G15R-PS,WCB/NO.5
G15B-PS,WCB/NO.5
G15J-PS,WCB/NO.5



NPS	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	216	254	305	406	599	711	864	991	1067	1194	1346	1473	1676
L1 (RF)	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5	60.5	65.5	76.5
L2 (RTJ)	14.62	16.62	18.62	21.62	28	33.13	39.38	45.12	50.25	55.38	61.38	66.38	77.63
W	371	422	473	549	711	842	1000	1146	1276	1407	1559	1688	1972
H	250	300	350	500	600	600	600	610	610	610	610	610	610
WT(RF)	594	753	756	864	994	1349	1480	1870	2216	2331	2823	3102	3766
WT(BW)	63	99	126	218	504	956	1481	2184	2741	3780	5960	7370	10610
WT(BW)	42	67	87	150	367	718	1071	1523	1890	2888	4630	5720	8240

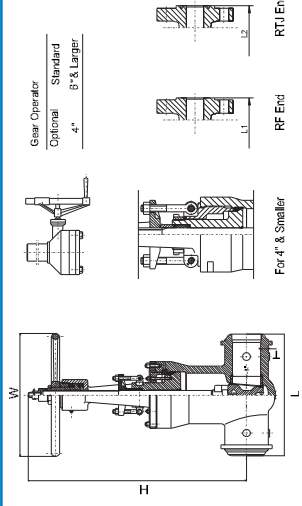
Class 2500

Cast Carbon Steel Gate Valve

ASME B16.34,
Pressure Seal, OS&Y, Rising Stem,
Non-rising Handwheel,
Flexible Wedge

Figure NO.:

G25R-PS,WCB/NO.5
G25B-PS,WCB/NO.5
G25J-PS,WCB/NO.5



NPS	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	216	254	305	406	599	711	864	991	1067	1194	1346	1473	1676
L1 (RF)	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5	60.5	65.5	76.5
L2 (RTJ)	14.62	16.62	18.62	21.62	28	33.13	39.38	45.12	50.25	55.38	61.38	66.38	77.63
W	371	422	473	549	711	842	1000	1146	1276	1407	1559	1688	1972
H	250	300	350	500	600	600	600	610	610	610	610	610	610
WT(RF)	594	753	756	864	994	1349	1480	1870	2216	2331	2823	3102	3766
WT(BW)	63	99	126	218	504	956	1481	2184	2741	3780	5960	7370	10610
WT(BW)	42	67	87	150	367	718	1071	1523	1890	2888	4630	5720	8240