

**NW NEWAY**

API 600 ASME B16.34

# Gate, Globe & Check Valves

Complete Solutions for Industrial Valves



**NEWAY VALVE**

Cat.no.: E-GGC-2016



Cat.no.: E-PLV



Cat.no.: E-TMBV



Cat.no.: E-FBV



Cat.no.: E-PS



Cat.no.: E-AV



Cat.no.: E-GGC



Cat.no.: E-DOV



Cat.no.: E-TOV



Cat.no.: E-CSC



Cat.no.: E-CSS



Cat.no.: E-FSV



Cat.no.: E-DAV

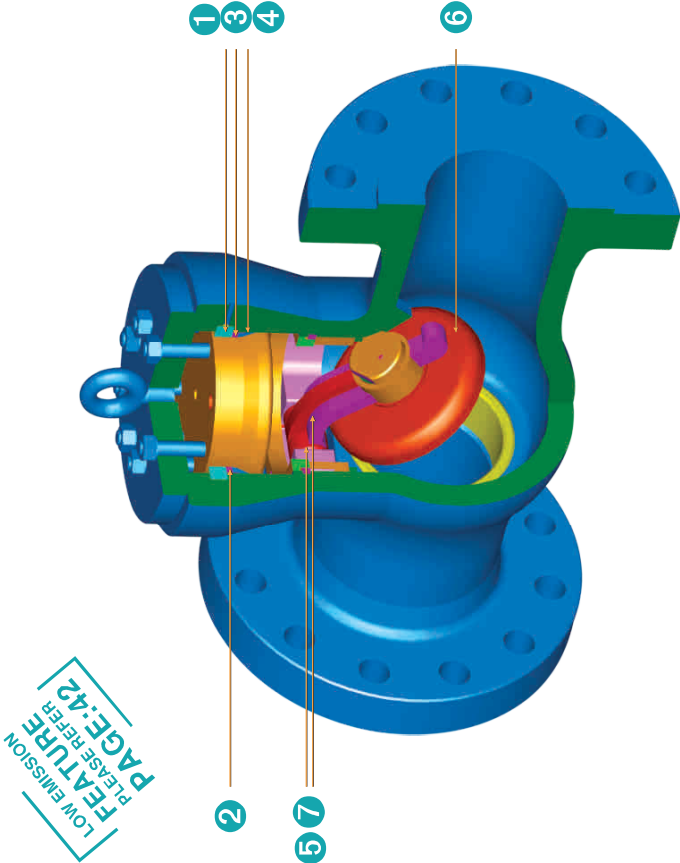
Distributed by:



**NW NEWAY**  
NEWAY VALVE (SUZHOU) CO., LTD.

No.666 Taishan Road, Suzhou New District, P.R. China  
Post Code: 215129  
Tel: 86-512-666-51365  
Fax: 86-512-666-51360  
E-Mail: [overseas.sales@neway.com.cn](mailto:overseas.sales@neway.com.cn)  
<http://www.newayvalve.com>

Cat.no.: E-GGC-2016



- 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 Mild steel gasket seal to provide a large seal contact area for perfect sealing.
- 4 Stainless steel inlay to ensure soundness and corrosion-resistance in the critical body sealing zone for carbon and alloy steel valves.
- 5 Hinge pin design ensuring no pressure boundary intrusion.
- 6 Standard swing disc type to be used in horizontal position for liquid service applications or used in vertical position where liquid flow from bottom to top.
- 7 Hinge and hinge pin design to permit full movement of the disc.

Part	Standard	Stainless Steel	High temperature Service
BODY	ASTM A216-WCB	ASTM A351-CF8M	ASTM A217-WC9
COVER	ASTM A216-WCB(4" & smaller ASTM A105)	ASTM A351-CF8M(4" & smaller ASTM A182-F316)	ASTM A217-WC9(4" & smaller ASTM A182-F22)
DISC	ASTM A217-CA15 & ASTM A216-WCB(ER410)	ASTM A351-CF8M/STL OVERLAY	ASTM A217-CA15 & ASTM A217-WC9(ER410)
HINGE	ASTM A105	ASTM A351-CF8M	ASTM A217-WC9
HINGE PIN	ASTM A182-F6a	ASTM A276-316	ASTM A182-F6a
DISC NUT	ASTM A276-420	ASTM A276-316	ASTM A276-420
BONNET SEAL RING	ASTM A182-F304(4" & smaller GRAPHITE)	ASTM A182-F316(4" & smaller GRAPHITE)	ASTM A182-F304(4" & smaller GRAPHITE)
HOOK SCREW	CARBON STEEL	STAINLESS STEEL	CARBON STEEL
COVER STUD	ASTM A193-B7	ASTM A193-B8	ASTM A193-B16
COVER NUT	ASTM A194-2H	ASTM A194-8	ASTM A194-4
SEAT RING	ASTM A105/STL OVERLAY	ASTM A182-F316/STL OVERLAY	ASTM A182-F22/STL OVERLAY
SEPARATE RING COVER	CARBON STEEL	ASTM A276-420	ASTM A140
THRUST RING COVER	CARBON STEEL	ASTM A276-420	ASTM A140
SUPPORTING COVER	ASTM A105	ASTM A276-420	ASTM A140
STOP RING	ASTM A276-420	ASTM A276-316	ASTM A276-420
YOKE	ASTM A216-WCB	ASTM A276-316	ASTM A216-WCB & ASTM A217-WC9
SEPARATE RING FOR STOP RING	ASTM A276-420	ASTM A276-316	ASTM A276-420
SPLIT PIN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
STOP RING SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
RIVET	CARBON STEEL	STAINLESS STEEL	CARBON STEEL
NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

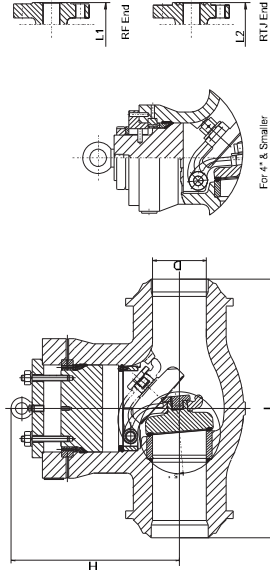
Notes: Above materials are general, when ordered, Please contact NEWAY Sales or technical team to confirm the details.

**Class 600****Cast Carbon Steel Check Valve**

ASME B16.34,  
Pressure Seal Swing Disc Type

Figure NO.:

S8R-PS,WCB/NO.5  
S8B-PS,WCB/NO.5  
S6J-PS,WCB/NO.5



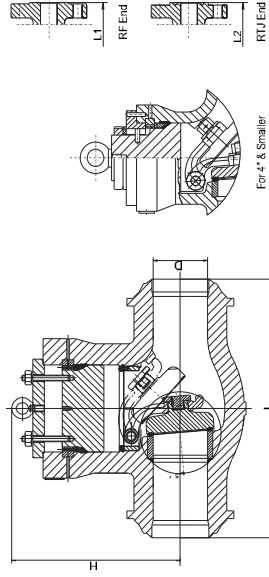
NPS	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750
L (RF-BW)	in 11.5 mm 292	in 13 mm 330	in 14 mm 356	in 17 mm 432	in 20 mm 508	in 22 mm 559	in 26 mm 660	in 31 mm 787	in 33 mm 838	in 35 mm 889	in 39 mm 991	in 43 mm 1092	in 47 mm 1194	in 55 mm 1397	in 57 mm 1448	in 63 mm 1600	in 66 mm 1651
L2 (RTJ)	in 11.62 mm 295	in 13.12 mm 333	in 14.12 mm 359	in 17.12 mm 435	in 20.12 mm 511	in 22.12 mm 562	in 26.12 mm 663	in 31.12 mm 790	in 33.12 mm 841	in 35.12 mm 892	in 39.12 mm 994	in 43.13 mm 1095	in 47.25 mm 1200	in 55.38 mm 1407	in 57.5 mm 1461	in 63.5 mm 1613	in 65.5 mm 1664
H	in 9.5 mm 241	in 10.4 mm 264	in 10.6 mm 270	in 12.5 mm 318	in 15.7 mm 400	in 15.7 mm 400	in 15.7 mm 400	in 23.1 mm 587	in 23.9 mm 606	in 27.4 mm 695	in 29.5 mm 749	in 32.5 mm 830	in 37.38 mm 949	in 43.25 mm 1100	in 45.1 mm 1150	in 50.3 mm 1276	in 55.4 mm 1407
WT(RF)	kg 27	kg 35	kg 45	kg 85	kg 135	kg 190	kg 260	kg 370	kg 490	kg 600	kg 800	kg 1100	kg 1480	kg 2000	kg 2600	kg 3100	kg 4000
WT(BW)	kg 18	kg 25	kg 32	kg 55	kg 85	kg 130	kg 260	kg 370	kg 490	kg 600	kg 800	kg 1100	kg 1480	kg 2040	kg 2500	kg 2800	kg 3150

**Class 900****Cast Carbon Steel Check Valve**

ASME B16.34,  
Pressure Seal Swing Disc Type

Figure NO.:

S9R-PS,WCB/NO.5  
S9B-PS,WCB/NO.5  
S9J-PS,WCB/NO.5



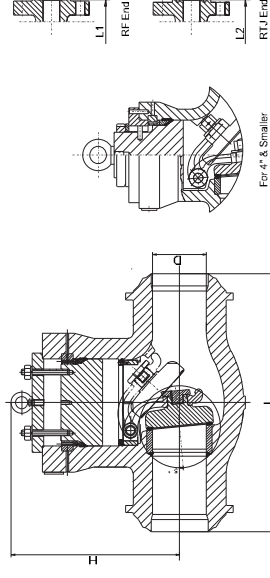
NPS	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	in 50 mm 8.5	in 65 mm 10	in 80 mm 12	in 100 mm 14	in 150 mm 20	in 200 mm 26	in 250 mm 31	in 300 mm 36	in 350 mm 39	in 400 mm 43	in 450 mm 48	in 500 mm 52	in 600 mm 61	in 650 mm 63	in 700 mm 67	in 750 mm 71
L (BW)	in 216 mm 254	in 216 mm 254	in 305 mm 356	in 356 mm 508	in 508 mm 660	in 660 mm 787	in 787 mm 914	in 914 mm 991	in 991 mm 1068	in 1068 mm 1192	in 1192 mm 1321	in 1321 mm 1450	in 1450 mm 1579	in 1579 mm 1702	in 1702 mm 1823	in 1823 mm 2000
L1 (RF)	in 14.5 mm 368	in 16.5 mm 419	in 18 mm 457	in 24 mm 610	in 29 mm 737	in 33 mm 838	in 38 mm 965	in 40.5 mm 1029	in 44.5 mm 1130	in 49.5 mm 1259	in 52.5 mm 1321	in 58.5 mm 1488	in 61.75 mm 1568	in 65 mm 1651	in 69 mm 1753	in 73 mm 1854
L2 (RTJ)	in 14.6 mm 371	in 16.1 mm 412	in 15.1 mm 408	in 18.1 mm 460	in 24.1 mm 613	in 29.1 mm 740	in 33.1 mm 841	in 38.1 mm 968	in 40.9 mm 1038	in 44.9 mm 1140	in 48.5 mm 1232	in 52.5 mm 1333	in 56.5 mm 1434	in 61.75 mm 1568	in 65.88 mm 1673	in 69.88 mm 1775
H	in 9.5 mm 241	in 10.4 mm 264	in 10.6 mm 270	in 12.5 mm 318	in 15.7 mm 400	in 15.7 mm 400	in 15.7 mm 400	in 23.1 mm 587	in 23.9 mm 606	in 28.7 mm 730	in 29.5 mm 750	in 33.50 mm 851	in 37.75 mm 959	in 43.25 mm 1000	in 45.13 mm 1149	in 50.38 mm 1400
WT(RF)	kg 42	kg 55	kg 68	kg 110	kg 242	kg 335	kg 455	kg 595	kg 740	kg 890	kg 1050	kg 1220	kg 1500	kg 1750	kg 2000	kg 2250
WT(BW)	kg 21	kg 32	kg 34	kg 68	kg 168	kg 242	kg 335	kg 455	kg 595	kg 740	kg 890	kg 1050	kg 1220	kg 1500	kg 1750	kg 2000

**Class 1500****Cast Carbon Steel Check Valve**

ASME B16.34,  
Pressure Seal Swing Disc Type

Figure NO.:

S15R-PS,WCB/NO.5  
S15B-PS,WCB/NO.5  
S15J-PS,WCB/NO.5



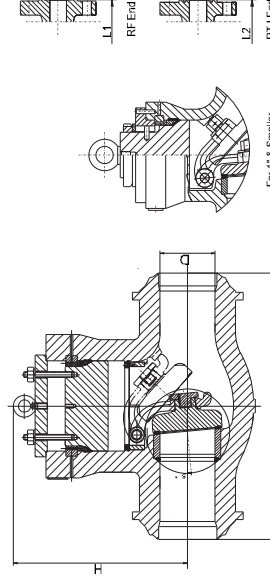
NPS	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	in 8.5 mm 216	in 10 mm 254	in 12 mm 305	in 16 mm 406	in 22 mm 559	in 28 mm 711	in 34 mm 864	in 39 mm 991	in 42 mm 1067	in 47 mm 1194	in 53 mm 1347	in 59 mm 1500	in 68 mm 1727
L1 (RF)	in 14.5 mm 368	in 16.5 mm 419	in 18.5 mm 470	in 21.5 mm 546	in 27.8 mm 705	in 32.8 mm 832	in 39 mm 991	in 44.5 mm 1130	in 49.5 mm 1257	in 54.4 mm 1384	in 60.5 mm 1537	in 65.5 mm 1664	in 76.5 mm 1943
L2 (RTJ)	in 14.6 mm 371	in 16.6 mm 422	in 18.6 mm 473	in 21.6 mm 549	in 28 mm 711	in 33.1 mm 842	in 39.4 mm 1000	in 45.1 mm 1146	in 50.3 mm 1276	in 55.4 mm 1407	in 61.38 mm 1559	in 66.38 mm 1688	in 77.63 mm 1972
H	in 9.5 mm 241	in 10.4 mm 264	in 10.8 mm 274	in 12.5 mm 318	in 16.6 mm 422	in 18.9 mm 479	in 23.3 mm 591	in 25.4 mm 645	in 28 mm 711	in 29.5 mm 749	in 34.63 mm 880	in 37.38 mm 949	in 43.25 mm 1099
WT(RF)	kg 42	kg 58	kg 105	kg 147	kg 360	kg 504	kg 641	kg 813	kg 968	kg 1103	kg 1228	kg 1397	kg 1600
WT(BW)	kg 21	kg 34	kg 42	kg 74	kg 233	kg 323	kg 413	kg 513	kg 613	kg 711	kg 813	kg 913	kg 1060

**Class 2500****Cast Carbon Steel Check Valve**

ASME B16.34,  
Pressure Seal Swing Disc Type

Figure NO.:

S25R-PS,WCB/NO.5  
S25B-PS,WCB/NO.5  
S25J-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)	in 11 mm 279	in 13 mm 330	in 14.5 mm 368	in 18 mm 457	in 24 mm 610	in 30 mm 762	in 36 mm 914	in 40.3 mm 1022	in 44 mm 1118	in 49 mm 1245	in 55 mm 1397	in 61 mm 1549	in 68 mm 1727
L1 (RF)	in 17.8 mm 451	in 20 mm 508	in 22.8 mm 578	in 26.9 mm 673	in 36.5 mm 914	in 40.9 mm 1022	in 45.1 mm 1130	in 50.3 mm 1276	in 55.4 mm 1407	in 60.5 mm 1537	in 65.5 mm 1664	in 76.5 mm 1943	in 88 mm 2238
L2 (RTJ)	in 17.9 mm 454	in 20.3 mm 514	in 23 mm 584	in 27.0 mm 683	in 37.5 mm 954	in 42.2 mm 1067	in 47.2 mm 1194	in 52.2 mm 1321	in 57.2 mm 1448	in 62.2 mm 1575	in 67.2 mm 1702	in 77.2 mm 1964	in 89 mm 2264
H	in 9.6 mm 245	in 10.4 mm 264	in 10.6 mm 270	in 12.5 mm 318	in 17.8 mm 451	in 22 mm 559	in 27.2 mm 695	in 32.2 mm 819	in 37.2 mm 949	in 42.2 mm 1079	in 47.2 mm 1200	in 52.2 mm 1330	in 62.2 mm 1588
WT(RF)	kg 89	kg 124	kg 163	kg 299	kg 588	kg 819	kg 1071	kg 1365	kg 1628	kg 1871	kg 2114	kg 2357	kg 2700
WT(BW)	kg 53	kg 74	kg 89	kg 142	kg 285	kg 398	kg 511	kg 624	kg 737	kg 850	kg 963	kg 1076	kg 1250