

**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-AV



Cat.no.: E-CSC



Cat.no.: E-TMBV



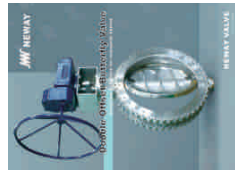
Cat.no.: E-GGC



Cat.no.: E-CSS



Cat.no.: E-FBV



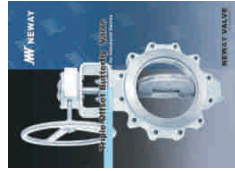
Cat.no.: E-DOV



Cat.no.: E-FSV



Cat.no.: E-PS



Cat.no.: E-TOV



Cat.no.: E-DAV

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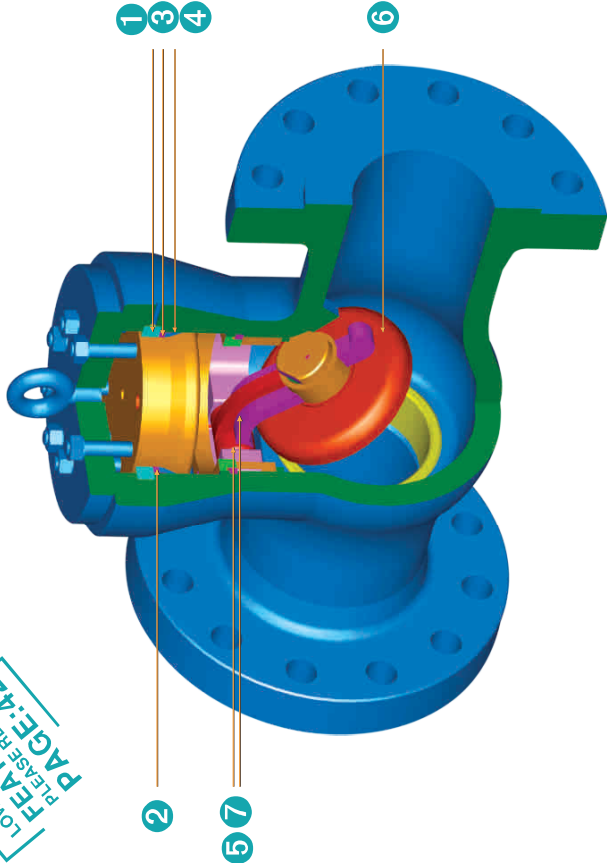


**NW NEWAY**  
NEWAY VALVE (SUZHOU) CO., LTD.

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

LOW EMISSION  
FEATURE  
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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 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-WC6	ASTM A217-C12A
COVER	ASTM A216-WCB(4" & smaller ASTM A105)	ASTM A351-CF8M(4" & smaller ASTM A182-F316)	ASTM A217-WC6(4" & smaller ASTM A182-F11)	ASTM A217-C12A(4" & smaller ASTM A182-F91)
DISC	ASTM A217-CA15 & ASTM A216-WCB(ER410)	ASTM A351-CF8M/STL OVERLAY	ASTM A217-CA15 & ASTM A217-WC6(ER410)	ASTM A217-CA15
HINGE	ASTM A105	ASTM A351-CF8M	ASTM A217-WC6	ASTM A217-C12A
HINGE PIN	ASTM A182-F6a	ASTM A276-316	ASTM A182-F6a	ASTM A182-F6a
DISC NUT	ASTM A276-420	ASTM A276-316	ASTM A276-420	ASTM A276-420
BONNET SEAL RING	ASTM A182-F304(4" & smaller GRAPHITE)	ASTM A182-F316(4" & smaller GRAPHITE)	ASTM A182-F304(4" & smaller GRAPHITE)	ASTM A182-F304(4" & smaller GRAPHITE)
HOOK SCREW	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
COVER STUD	ASTM A193-B7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B16
COVER NUT	ASTM A194-2H	ASTM A194-8	ASTM A194-4	ASTM A194-4
SEAT RING	ASTM A105/STL OVERLAY	ASTM A182-F316/STL OVERLAY	ASTM A182-F11/STL OVERLAY	ASTM A182-F6a/STL OVERLAY
SEPARATE RING COVER	CARBON STEEL	ASTM A276-420	ASTM A140	ASTM A140
THRUST RING COVER	CARBON STEEL	ASTM A276-420	ASTM A140	ASTM A140
SUPPORTING COVER	ASTM A105	ASTM A276-420	ASTM A140	ASTM A140
STOP RING	ASTM A276-420	ASTM A276-316	ASTM A276-420	ASTM A276-420
YOKE	ASTM A216-WCB	ASTM A276-316	ASTM A216-WCB & ASTM A217-WC6	ASTM A217-C12A
SEPARATE RING FOR STOP RING	ASTM A276-420	ASTM A276-316	ASTM A276-420	ASTM A276-420
SPLIT PIN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
STOP RING SCREW	STAINLESS 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.

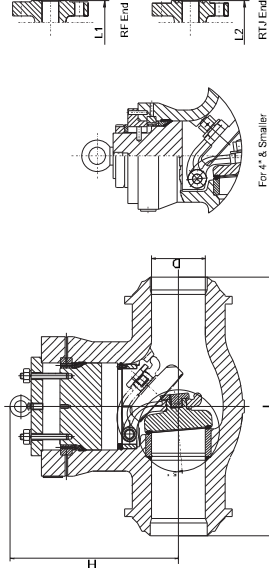
## Class 600

## Cast Carbon Steel 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)	11.5	13	14	17	20	22	26	31	33	35	39	43	47	55	57	63	65
L (BW)	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1600	1651
L1 (RF)	11.62	13.12	14.12	17.12	20.12	22.12	26.12	31.12	33.12	35.12	39.12	43.13	47.25	55.38	57.5	63.5	65.5
L1 (BW)	295	333	359	435	511	562	663	790	841	892	994	1095	1200	1407	1461	1613	1664
H	9.5	10.4	10.6	12.5	15.7	15.7	23.1	23.9	27.4	29.5	28.7	28.75	32.25	37.38	39.38	43.25	47.25
WT(RF)	241	264	270	318	400	400	587	606	695	749	730	730	819	949	1000	1099	1200
WT(BW)	27	35	45	85	135	190	350	500	670	860	1150	1480	1880	2600	3100	3500	4000
WT(BW)	18	25	32	55	85	130	260	370	490	660	850	1100	1490	2040	2500	2800	3150

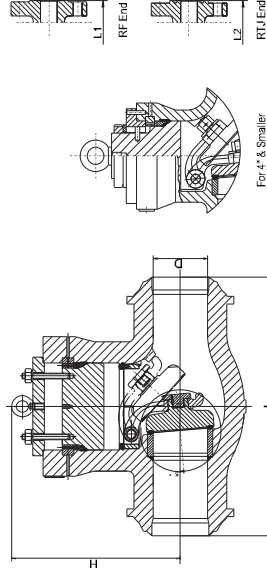
## Class 900

## 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	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L (BW)	216	254	285	356	508	559	660	787	838	889	991	1092	1219	1270	1321	1372
L1 (RF)	14.5	16.5	18	24	29	29	33	38	40.5	44.5	48	52	61	65	69	73
L1 (BW)	368	419	381	457	610	610	737	838	965	1029	1130	1219	1321	1321	1549	1651
L2 (RTJ)	14.6	16.1	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.9	48.5	52.5	61.75	65.88	69.88	73.88
H	9.5	10.4	10.6	12.5	15.7	15.7	23.1	23.9	27.4	29.5	28.7	28.75	32.25	37.38	39.38	43.25
WT(RF)	241	264	270	318	400	400	587	606	695	749	730	730	819	949	1000	1149
WT(BW)	42	55	58	110	242	242	599	893	1365	1628	1733	2300	3000	4100	4600	5200
WT(BW)	21	32	34	68	168	168	462	725	1071	1281	1418	1850	2400	2900	3600	4000

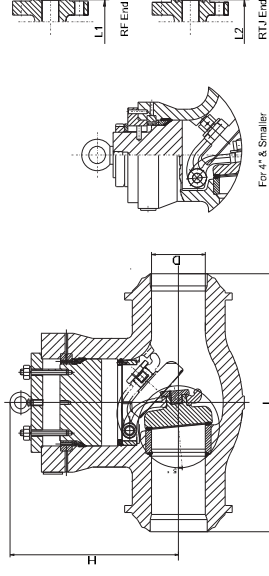
## Class 1500

## 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)	216	254	305	406	559	711	864	991	1067	1194	1537	1654	1943
L1 (RF)	14.5	16.5	18.5	21.5	27.8	32.8	39	44.5	49.5	54.4	60.5	65.5	76.5
L1 (BW)	368	419	470	546	705	832	991	1130	1257	1384	1537	1654	1943
L2 (RTJ)	14.6	16.6	18.6	21.6	28	33.1	39.4	45.1	50.3	55.4	61.38	66.38	77.63
H	9.5	10.4	10.8	12.5	16.6	18.9	23.3	25.4	28	29.5	34.63	37.38	43.25
WT(RF)	241	264	274	318	422	479	591	645	711	749	880	949	1099
WT(BW)	42	58	105	147	360	641	1103	1628	2205	2730	3300	4200	6000
WT(BW)	21	34	42	74	233	504	777	1155	1461	1860	2100	2600	3500

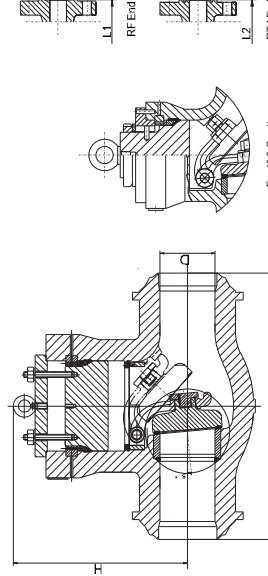
## Class 2500

## 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)	216	254	305	406	559	711	864	991	1067	1194	1537	1654	1943
L1 (RF)	14.5	16.5	18.5	21.5	27.8	32.8	39	44.5	49.5	54.4	60.5	65.5	76.5
L1 (BW)	368	419	470	546	705	832	991	1130	1257	1384	1537	1654	1943
L2 (RTJ)	14.6	16.6	18.6	21.6	28	33.1	39.4	45.1	50.3	55.4	61.38	66.38	77.63
H	9.5	10.4	10.8	12.5	16.6	18.9	23.3	25.4	28	29.5	34.63	37.38	43.25
WT(RF)	241	264	274	318	422	479	591	645	711	749	880	949	1099
WT(BW)	42	58	105	147	360	641	1103	1628	2205	2730	3300	4200	6000
WT(BW)	21	34	42	74	233	504	777	1155	1461	1860	2100	2600	3500