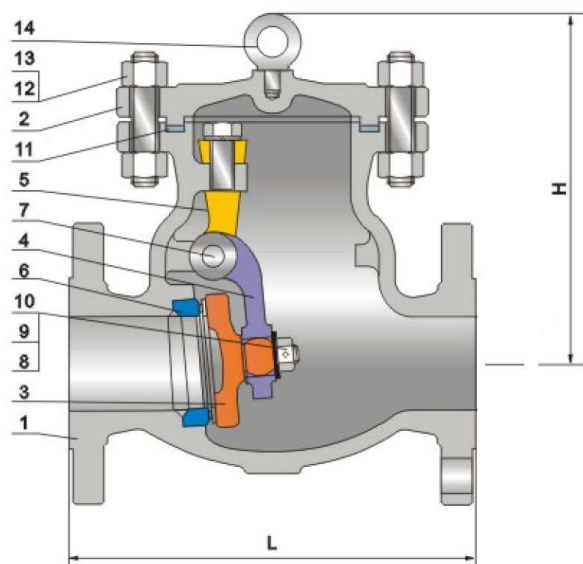


Pressure Temperature Rating

Carbon Steel
ASTM A216 Grade WCB
285 psi @ -20°F to 100°F
(20 bar @ -28°C to 37°C)

Material of Construction*

No	Description	Material
1	Body	A216 Gr. WCB
2	Cap	A216 Gr. WCB
3	Disc ¹⁾	A105 + 13Cr
4	Hinge	A216 Gr. WCB
5	Support	A216 Gr. WCB
6	Seat Ring	A105 + STL
7	Hinge Pin	A276-420
8	Disc Washer	Carbon Steel
9	Disc Nut	Carbon Steel
10	Disc Nut Pin	Carbon Steel
11	Cap Gasket	SS304 w/Graphite
12	Cap Studs	A193 Gr.B7
13	Cap Nuts	A194 Gr.2H
14	Eye Bolt ²⁾	Carbon Steel

NOTES:

*Standard construction: WCB-Trim 8, other options are available.

1) Cast steel disc for NPS 4" and above.

2) NPS 6" & larger.

Industry Standards

Steel Valves	ASME B16.34
Face-to-Face/End-to-End	ASME B16.10
Flange Dimensions	ASME B16.5
Basic Design	API 600
Testing	API 598

Dimensions and Weights

Millimeters (mm) - Kilograms (Kg)

NPS	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36
DN	(50)	(65)	(80)	(100)	(125)	(150)	(200)	(250)	(300)	(350)	(400)	(450)	(500)	(600)	(650)	(700)	(750)	(900)
L	203	216	241	292	330	356	495	622	699	787	864	978	978	1295	1295	1448	1524	1956
L1	203	216	241	292	330	356	495	622	699	787	864	978	978	1295	1295	1448	1524	1956
L2	216	229	254	305	343	368	508	635	711	800	876	991	991	1308	-	-	-	-
H	161	180	190	203	229	257	292	355	396	445	490	520	546	880	910	940	980	1220
Wt.	15	22	28	42	57	79	131	177	282	380	542	632	855	970	1275	1600	1990	2760

Cast Steel Swing Check Valve



Class 300

• Bolted Cap

Material of Construction*

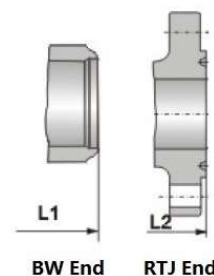
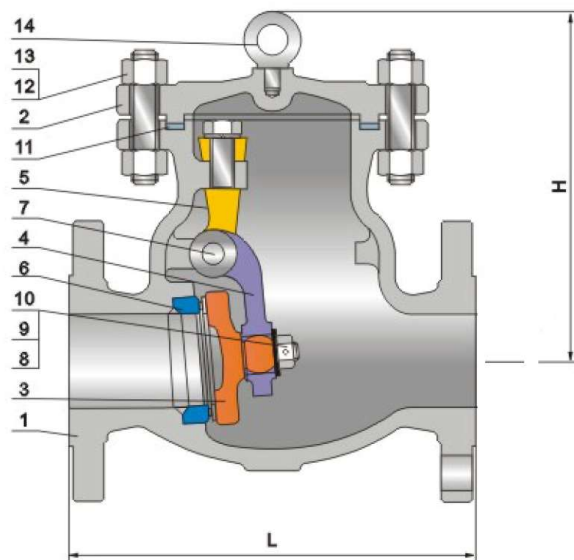
No	Description	Material
1	Body	A216 Gr. WCB
2	Cap	A216 Gr. WCB
3	Disc ¹⁾	A105 + 13Cr
4	Hinge	A216 Gr. WCB
5	Support	A216 Gr. WCB
6	Seat Ring	A105 + STL
7	Hinge Pin	A276-420
8	Disc Washer	Carbon Steel
9	Disc Nut	Carbon Steel
10	Disc Nut Pin	Carbon Steel
11	Cap Gasket	SS304 w/Graphite
12	Cap Studs	A193 Gr.B7
13	Cap Nuts	A194 Gr.2H
14	Eye Bolt ²⁾	Carbon Steel

NOTES:

*Standard construction: WCB-Trim 8, other options are available.

1) Cast steel disc for NPS 4" and above.

2) NPS 6" & larger.



Industry Standards

Steel Valves	ASME B16.34
Face-to-Face/End-to-End	ASME B16.10
Flange Dimensions	ASME B16.5
Basic Design	API 600
Testing	API 598

Pressure Temperature Rating

Carbon Steel

ASTM A216 Grade WCB

740 psi @ -20°F to 100°F

(51 bar @ -28°C to 37°C)

Dimensions and Weights

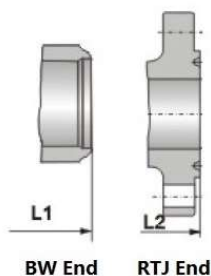
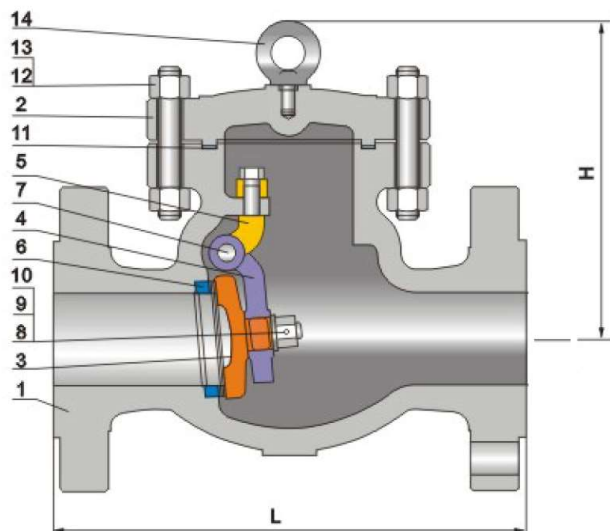
Millimeters (mm) - Kilograms (Kg)

NPS	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36
DN	(50)	(65)	(80)	(100)	(125)	(150)	(200)	(250)	(300)	(350)	(400)	(450)	(500)	(600)	(650)	(700)	(750)	(900)
L	267	292	318	356	400	445	533	622	711	838	864	978	1016	1346	1346	1499	1594	2083
L1	267	292	318	356	400	445	533	622	711	838	864	978	1016	1346	1346	1499	1594	2083
L2	283	308	333	371	416	460	549	638	727	854	879	994	1035	1368	1372	1524	1619	-
H	178	190	216	241	267	305	368	394	445	470	533	584	610	860	910	940	980	1220
Wt.	18	22	30	56	80	90	145	204	302	405	625	730	985	1115	1465	1840	2290	3180



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Pressure Temperature Rating

Carbon Steel

ASTM A216 Grade WCB

1480 psi @ -20°F to 100°F

(102 bar @ -28°C to 37°C)

Dimensions and Weights

Millimeters (mm) - Kilograms (Kg)

NPS	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36
DN	(50)	(65)	(80)	(100)	(125)	(150)	(200)	(250)	(300)	(350)	(400)	(450)	(500)	(600)	(650)	(700)	(750)	(900)
L	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1600	1651	2083
L1	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1600	1651	2083
L2	295	333	359	435	511	562	664	791	841	892	994	1095	1200	1407	1461	1613	1664	2099
H	203	229	235	286	292	330	381	457	581	635	684	752	975	1111	1016	1066	1168	1542
Wt.	28	40	68	95	155	180	250	390	480	890	1020	1205	1420	1695	3800	4600	5500	7200

Material of Construction*

No	Description	Material
1	Body	A216 Gr. WCB
2	Cap	A216 Gr. WCB
3	Disc ¹⁾	A105 + 13Cr
4	Hinge	A216 Gr. WCB
5	Support	A216 Gr. WCB
6	Seat Ring	A105 + STL
7	Hinge Pin	A276-420
8	Disc Washer	Carbon Steel
9	Disc Nut	Carbon Steel
10	Disc Nut Pin	Carbon Steel
11	Cap Gasket	SS304 w/Graphite
12	Cap Studs	A193 Gr.B7
13	Cap Nuts	A194 Gr.2H
14	Eye Bolt ²⁾	Carbon Steel

NOTES:

*Standard construction: WCB-Trim 8, other options are available.

1) Cast steel disc for NPS 4" and above.

2) NPS 6" & larger.

Industry Standards

Steel Valves	ASME B16.34
Face-to-Face/End-to-End	ASME B16.10
Flange Dimensions	ASME B16.5
Basic Design	API 600
Testing	API 598

Cast Steel Swing Check Valve



Class 900

• Bolted Cap

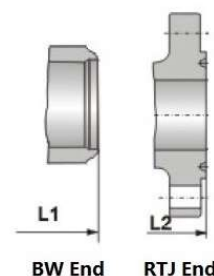
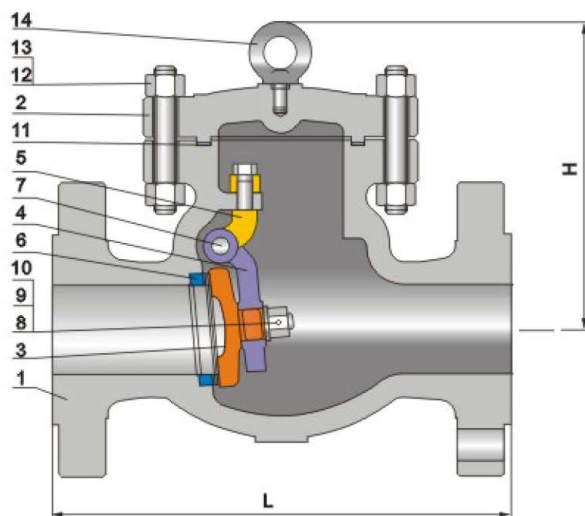
Material of Construction*

No	Description	Material
1	Body	A216 Gr. WCB
2	Cap	A216 Gr. WCB
3	Disc	A216 Gr. WCB + 13Cr
4	Hinge	A216 Gr. WCB
5	Support	A216 Gr. WCB
6	Seat Ring	A105 + STL
7	Hinge Pin	A276-420
8	Disc Washer	Carbon Steel
9	Disc Nut	Carbon Steel
10	Disc Nut Pin	Carbon Steel
11	Cap Gasket	Steel Ring
12	Cap Studs	A193 Gr.B7
13	Cap Nuts	A194 Gr.2H
14	Eye Bolt ¹⁾	Carbon Steel

NOTES:

*Standard construction: WCB-Trim 8, other options are available.

1) NPS 6" & larger.



Industry Standards

Steel Valves	ASME B16.34
Face-to-Face/End-to-End	ASME B16.10
Flange Dimensions	ASME B16.5
Basic Design	API 600
Testing	API 598

Pressure Temperature Rating

Carbon Steel

ASTM A216 Grade WCB

2220 psi @ -20°F to 100°F

(156 bar @ -28°C to 37°C)

Dimensions and Weights

Millimeters (mm) - Kilograms (Kg)

NPS	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36
DN	(50)	(65)	(80)	(100)	(125)	(150)	(200)	(250)	(300)	(350)	(400)	(450)	(500)	(600)	(650)	(700)	(750)	(900)
L	368	419	381	457	559	610	737	838	965	1029	1130	1219	1321	1549	1651	1753	1854	2156
L1	368	419	381	457	559	610	737	838	965	1029	1130	1219	1321	1549	1651	1753	1854	2156
L2	371	422	384	460	562	613	740	841	968	1038	1140	1232	1334	1568	1673	1775	1876	-
H	240	256	278	320	360	460	560	610	675	745	815	850	985	1055	1121	1372	1521	1821
Wt.	37	54	68	109	170	195	321	481	711	956	1468	1870	2316	5200	6600	7550	8850	12750



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