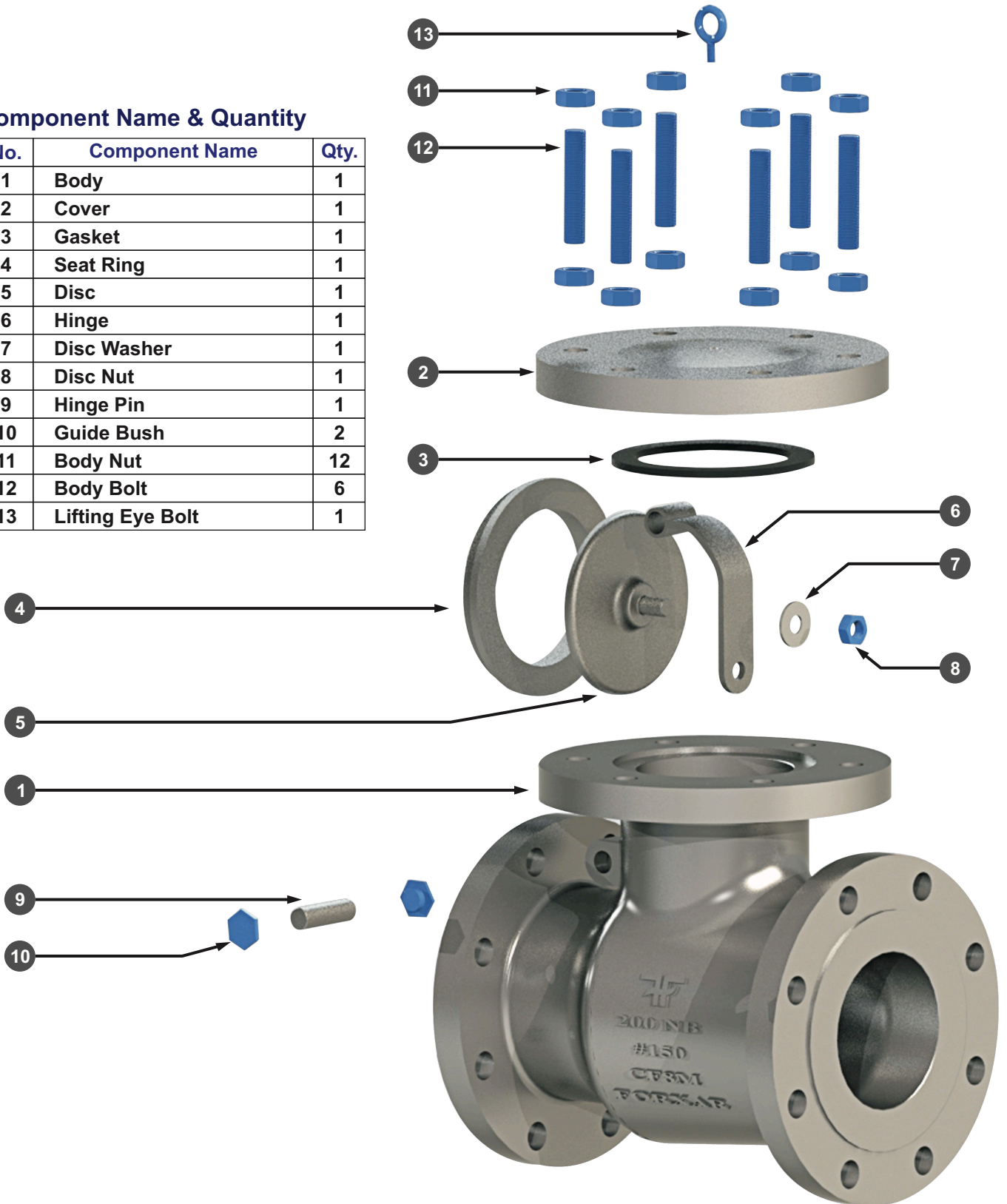


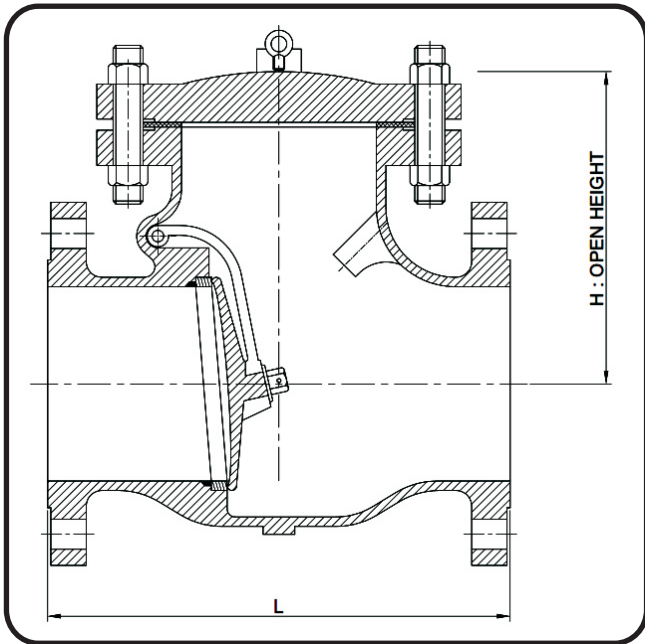
Check Valve Exploded View

Component Name & Quantity

No.	Component Name	Qty.
1	Body	1
2	Cover	1
3	Gasket	1
4	Seat Ring	1
5	Disc	1
6	Hinge	1
7	Disc Washer	1
8	Disc Nut	1
9	Hinge Pin	1
10	Guide Bush	2
11	Body Nut	12
12	Body Bolt	6
13	Lifting Eye Bolt	1



Check Valves - ASME Class 150, 300 & 600



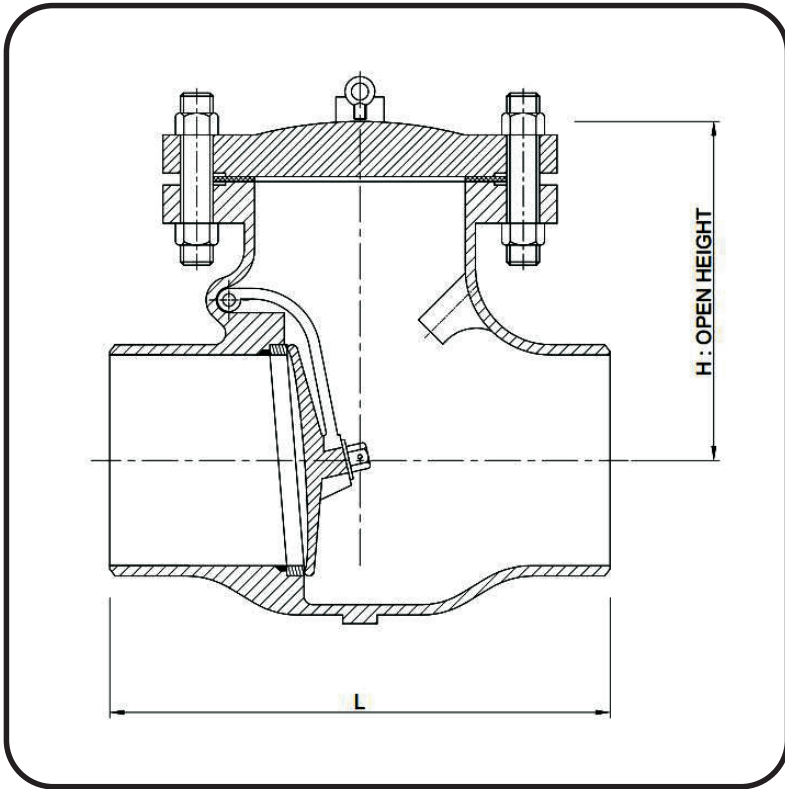
Flange End Check Valve

Dimensions (in mm, unless specified) & Weights (in kg)

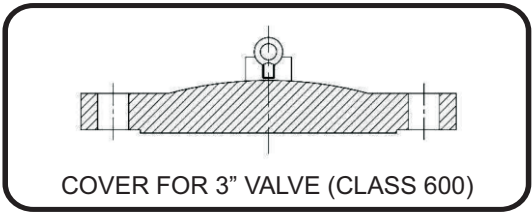
Valve Size	Class 150					Class 300					Class 600				
	L		H	Approx. wt.		L		H	Approx. wt.		L		H	Approx. wt.	
	Fl.	B/W		Fl.	B/W	Fl.	B/W		Fl.	B/W	Fl.	B/W		Fl.	B/W
50 (2")	203	203	165	21	19	267	267	165	24	19	292	292	178	35	30
65 (2 1/2")	216	216	175	24	20	-	-	-	-	-	-	-	-	-	-
80 (3")	241	241	181	34	30	317	317	190	45	36	356	356	203	55	46
100 (4")	292	292	213	49	42	356	356	229	70	56	432	432	229	92	70
150 (6")	356	356	273	88	79	444	444	279	151	129	559	559	365	204	161
200 (8")	495	495	335	168	154	533	533	343	242	210	661	661	442	323	260
250 (10")	622	622	406	280	260	622	622	368	333	284	787	787	450	550	455
300 (12")	698	698	483	413	382	711	711	412	450	378	838	838	590	790	680
350 (14")	788	788	515	509	466	839	839	559	659	556	-	-	-	-	-
400 (16")	864	864	455	580	524	864	864	636	873	747	-	-	-	-	-
450 (18")	978	978	500	635	583	978	978	562	1090	900	-	-	-	-	-
500 (20")	978	978	675	925	855	1016	1016	675	1360	1176	-	-	-	-	-
600 (24")	1295	1295	780	1500	1403	1346	1346	790	1850	1573	-	-	-	-	-

Fl. - Flanged ; B/W - Butt-weld.

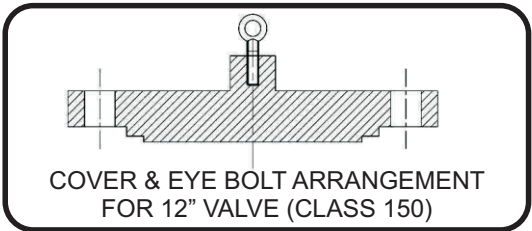
Check Valves - ASME Class 900 & 1500



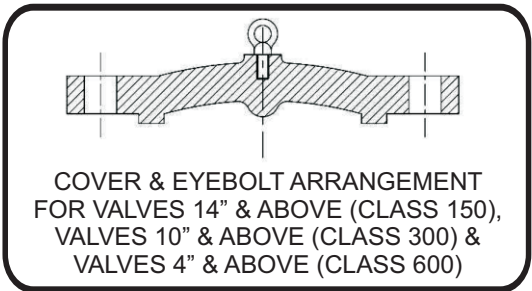
Butt Weld End Check Valve



COVER FOR 3" VALVE (CLASS 600)



COVER & EYE BOLT ARRANGEMENT FOR 12" VALVE (CLASS 150)



COVER & EYEBOLT ARRANGEMENT FOR VALVES 14" & ABOVE (CLASS 150), VALVES 10" & ABOVE (CLASS 300) & VALVES 4" & ABOVE (CLASS 600)

Dimensions (in mm, unless specified) & Weights (in kg)

Valve Size	Class 900					Class 1500				
	L		H	Approx. wt.		L		H	Approx. wt.	
	Fl.	B/W		Fl.	B/W	Fl.	B/W		Fl.	B/W
50 (2")	-	-	-	-	-	368	368	250	69	53
65 (2 1/2")	-	-	-	-	-	-	-	-	-	-
80 (3")	381	381	250	88	70	470	470	285	118	89
100 (4")	457	457	280	162	131	546	546	340	177	134
150 (6")	610	610	350	336	275	705	705	400	566	467
200 (8")	737	737	420	673	569	832	832	465	892	728
250 (10")	838	838	510	938	789	991	991	570	1730	1447
300 (12")	965	965	610	1480	1280	1130	1130	680	2580	2157

Fl. - Flanged ; B/W - Butt-weld.

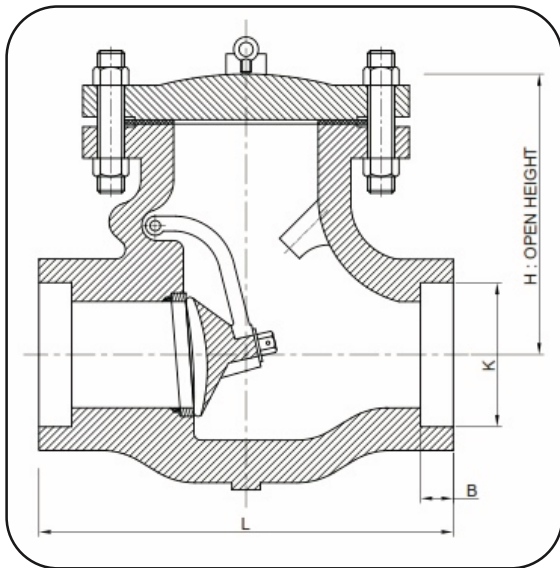


Forged Steel Check Valve

Conventional Port Opening, Piston, Ball or Swing
NPS 1/4-2 (DN 8-50), ASME CLASS 800, 1500

Part	Standart Materials
Body	A105
Cover	A105
Seat (integral)	CoCr alloy
Disc	CA 15 HT or CoCr alloy
Ball	Gr. 440C
Spring	Gr. 302
Cap Screw	Gr. B7
Gasket	Gr. 304 (stainless & graphite)
Swing Holder	CA 15 HT
Swing Pin	Gr. 410

- 1) Ball type only. 2) Swing type only. 3) Bolted bonnet only
4) Piston or swing type only 5) Piston or ball type only
6) Bolted bonnet swing check disc CoCr alloy Gr. 6 only



Bolted Swing Check Dimension and Weights

Size NPS DN	A Port		B End to end		C Center to top, bolts		K Socket Weld bore	L Socket Weld depth	Weight kg	
	800	1500	800	1500	800	1500			800	1500
8	-	-	-	-	-	-	14.1	9.5	-	-
10	-	-	-	-	-	-	17.5	9.5	-	-
15	12.7	12.7	89	152	64	94	21.7	9.5	2.1	2.0
20	12.7	12.7	89	152	64	94	27.1	12.7	2.1	3.0
25	19.1	19.1	127	152	89	94	33.8	12.7	5.4	5.4
32	31.8	31.8	133	178	86	94	42.5	12.7	7	9
40	31.8	31.8	133	178	86	107	48.6	12.7	7	9
50	38.1	38.1	152	229	109	132	61.1	15.9	10	12

Ordering Information of Gate, Globe & Check Valves

As Per Our Design

1) Type of Valves

Types	Nomen.
Globe Valve	GL
Gate Valve	GT
Check Valve	CH
Y-Type Strainer	YS

2) Materials

Type Of Materials	Nomen.
S S310	S1
SS304 / ASTM A182 Gr. F304	S4
SS304 L	S4L
SS316	S6
SS316L	S6L
SS317	S7
SS321	S21
SS446	S46
Monal 400	M4
Incoloy 625	I6
Incoloy 825	I8
Carbon Steel	CS
A105	A1
Alloy 20	A20
ASTM A182 F51 (Duplex F51)	F51
ASTM A182 F60 (Duplex F60)	F60
ASTM A182 F53 (Super Duplex F53)	F53
ASTM A312 TP 304L	P4L
ASTM A182 F11	F11
ASTM A182 Gr. F5	F5
ASTM A312 TP 304	TP4
Hastelloy C276	HC2
A350 Gr. LF1/ LF2/ LF3	LF2
SS410	S41
ASTM A240 TP 316L	P6L
Inconel-600	I60
ASTM A234 Gr. WPB	WPB
Mild Steel	MS
Nickel Alloy	NA
Galvanized	GLV

3) Sizes

Size	Nomen.	Size	Nomen.
1/8"	6	8"	200
1/4"	8	10"	250
3/8"	10	12"	300
1/2"	15	14"	350
3/4"	20	16"	400
1"	25	18"	450
1 1/4"	32	20"	500
1 1/2"	40	22"	550
2"	50	24"	600
2 1/2"	65	26"	650
3"	80	28"	700
4"	100	30"	750
5"	125	32"	800
6"	150	36"	900

4) Type Of Bore

Type	Nomen.
Full Bore	FB
Reduced Bore	RB

5) Type of End Connections.

Type	Nomen.
Flange End	FL
Butt Weld End	BW
Socket Weld End	SW
Tounge & Groove	TG
Ring Type Joint	RTJ

6) Type Of Class

Types	Nomen.
Class 150	#150
Class 300	#300
Class 400	#400
Class 600	#600
Class 900	#900
Class 1500	#1500
Class 2500	#2500
Class 4500	#4500
Sch 10	S10
Sch 20	S20
Sch 40	S40
Sch 80	S80
Sch 160	S160
Sch XXS	SXXS
Table F	F
Table E	E
Table D	D

7) Special Requirement

Types	Nomen.
IBR	IBR
Fire Safe	FS



Ex. GATE VALVE, 100NB, FLANGE END
ASTM 182 A SS 316 FULL BORE #300, WITH IBR = GT-S6-100FB-FL-#300-IBR