

Figure 571

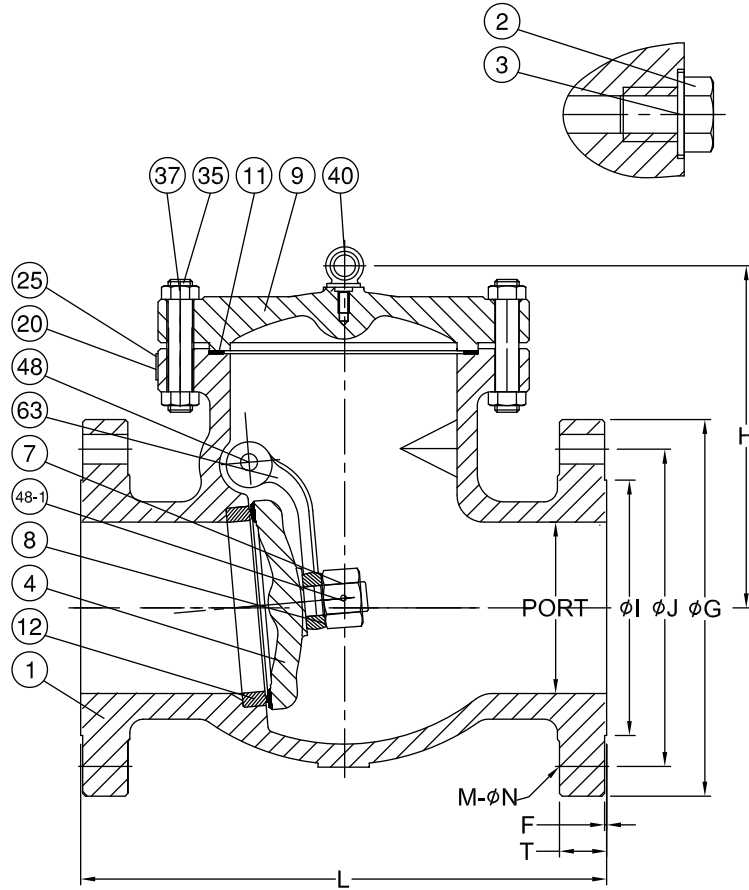
150# Carbon Steel Swing Check Valve

Standard Materials

No.	Part Name	Material
1	Body	ASTM A216 Gr. WCB
2	Plug	Carbon Steel
3	Plug Seal	Carbon Steel
4	Disc	2"-14" ASTM A105+13%Cr Faced 16"-24" ASTM A216 WCB+13%Cr Faced
7	Disc Nut	Stainless Steel
8	Disc Washer	Stainless Steel
9	Bonnet	ASTM A216 Gr. WCB
11	Body Seal	304+Graphite, Spiral Wound
12	Seat Ring	ASTM A105 + STL#6 Faced
20	Rivet	SS304
25	Names Plate	SS304
35	Body Bolt	ASTM A193 Gr. B7
37	Bolt Nut	ASTM A194 Gr. 2H
40	Eye Bolt	ASTM A29 1035 (4" & Larger)
48	Hinge Pin	ASTM A276 Type 410
48-1	Split Pin	ASTM A276 Type 410
63	Hinge	ASTM A216 Gr. WCB

NOTES:

Design per API 600
 Pressure/Temperature Rating per ANSI B16.34
 Flange Dimensions per ANSI B16.5
 Face to Face Dimensions per ANSI B16.10
 Pressure Tested per API 598



Dimensions (inches) & Weights (lbs)

Size	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
Port	2.01	2.52	2.99	4.02	5.98	7.99	10.00	12.01	13.27	15.24	17.24	19.25	23.27
L	7.99	8.50	9.49	11.50	14.02	19.49	24.49	27.48	30.98	34.02	38.50	38.50	50.98
H	5.31	5.83	6.61	9.25	10.91	13.35	15.67	20.67	23.03	22.99	26.30	28.03	29.13
Flange Dimensions	F	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	φG	5.98	7.01	7.48	9.02	10.98	13.50	15.98	19.02	20.98	23.50	25.00	27.52
	φI	3.62	4.13	5.00	6.18	8.50	10.63	12.76	15.00	16.26	18.50	20.98	22.99
	φJ	4.74	5.49	6.00	7.50	9.51	11.75	14.25	17.01	18.74	21.26	22.76	25.00
	T	0.75	0.89	0.94	0.94	1.02	1.14	1.22	1.26	1.38	1.46	1.57	1.69
	M	4	4	4	8	8	8	12	12	12	16	16	20
φN	0.75	0.75	0.75	0.75	0.87	0.87	0.98	0.98	1.14	1.14	1.26	1.26	
Wt. (lbs.)	256	42	62	88	148	258	439	659	816	1,257	1,466	1,984	2,996