

Figure 572

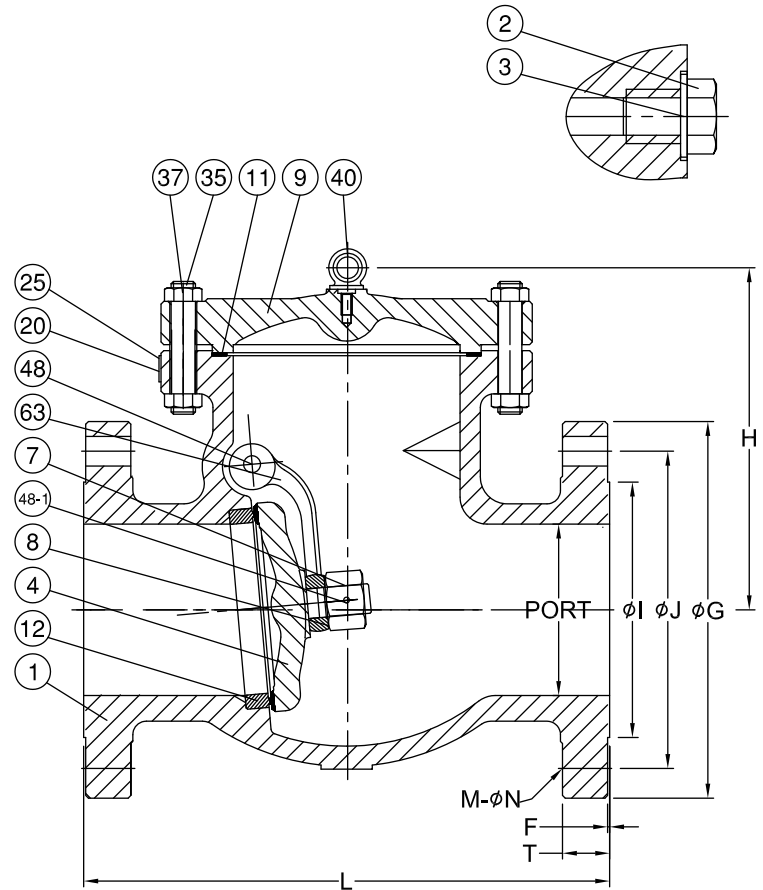
# 300# Carbon Steel Swing Check Valve

## Standard Materials

No.	Part Name	Material
1	Body	ASTM A216 Gr. WCB
2	Plug	Carbon Steel
3	Plug Seal	Carbon Steel
4	Disc	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	17.01	19.02	22.99
L	10.51	11.50	12.52	14.02	17.48	20.98	24.49	27.99	32.99	34.02	38.50	40.00	52.99
H	5.91	6.57	7.09	9.92	11.85	14.17	16.85	19.33	23.03	24.21	25.31	26.81	27.95
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
	ØG	6.50	7.48	8.27	10.00	12.52	15.00	17.52	20.51	22.99	25.51	27.99	30.51
	ØI	3.62	4.12	5.00	6.19	8.50	10.62	12.75	15.00	16.26	18.50	21.00	23.00
	ØJ	5.00	5.87	6.63	7.87	10.63	12.99	15.26	17.76	20.26	22.50	24.74	27.01
	T	0.91	1.00	1.14	1.26	1.46	1.65	1.89	2.01	2.13	2.28	2.40	2.52
	M	8	8	8	8	12	12	16	16	20	20	24	24
ØN	0.75	0.87	0.87	0.87	0.87	0.98	1.14	1.26	1.26	1.38	1.38	1.38	1.61
Wt. (lbs.)	46	60	64	93	163	238	657	928	1,499	1,852	1,797	2,207	3,417