

# Series 25116

## 150# Flanged Stainless Steel Check Valve



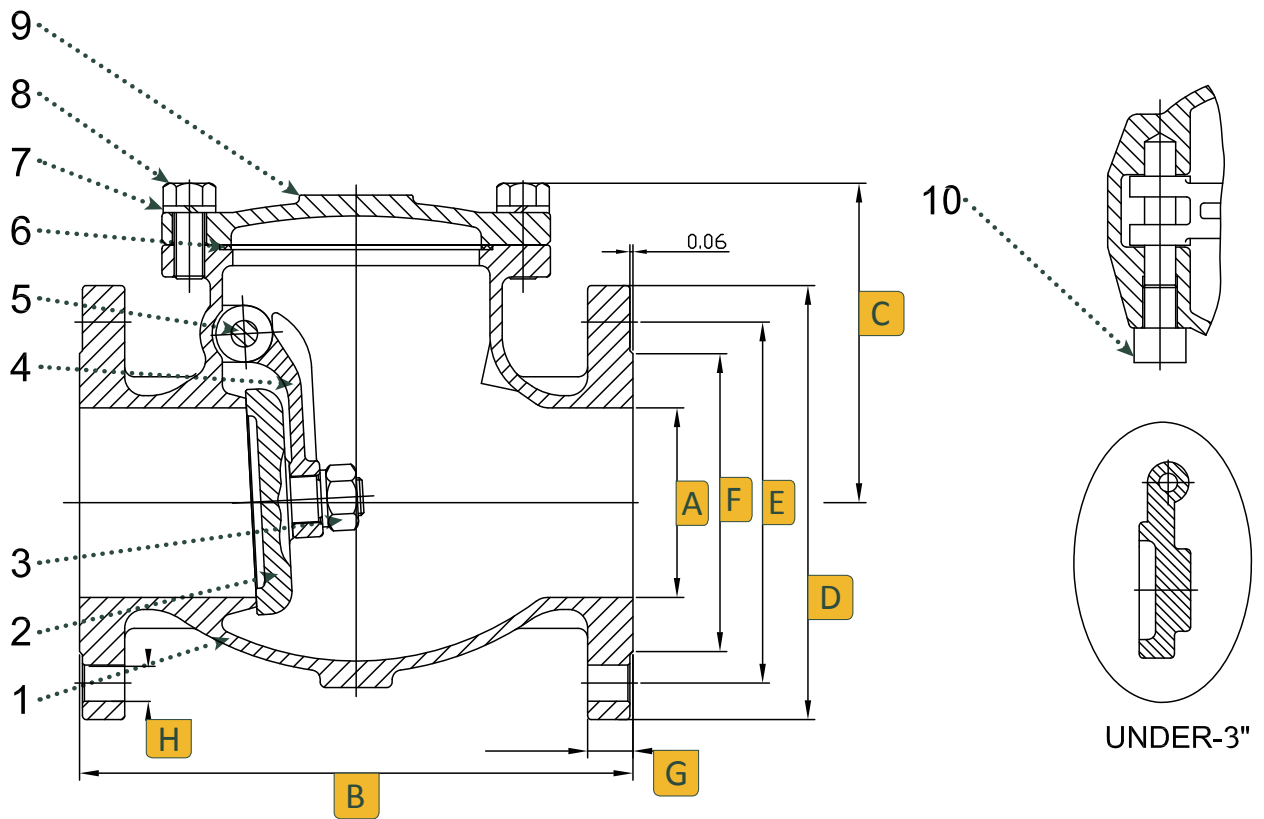
*Valves, Automation & Controls*

### Features

- Bolted Cover
- Swing Type
- Horizontal or Vertical lines
- For Horizontal or Vertical lines
- Integral Seat
- Flanged Ends
- Butt-weld Ends
- Applicable Standards:
  - Steel valves ANSI B16.34
  - Face to face ANSI B16.10
  - End flanges ANSI B16.5
  - Butt-weld ends ANSI B16.25
  - Inspection and test API 598



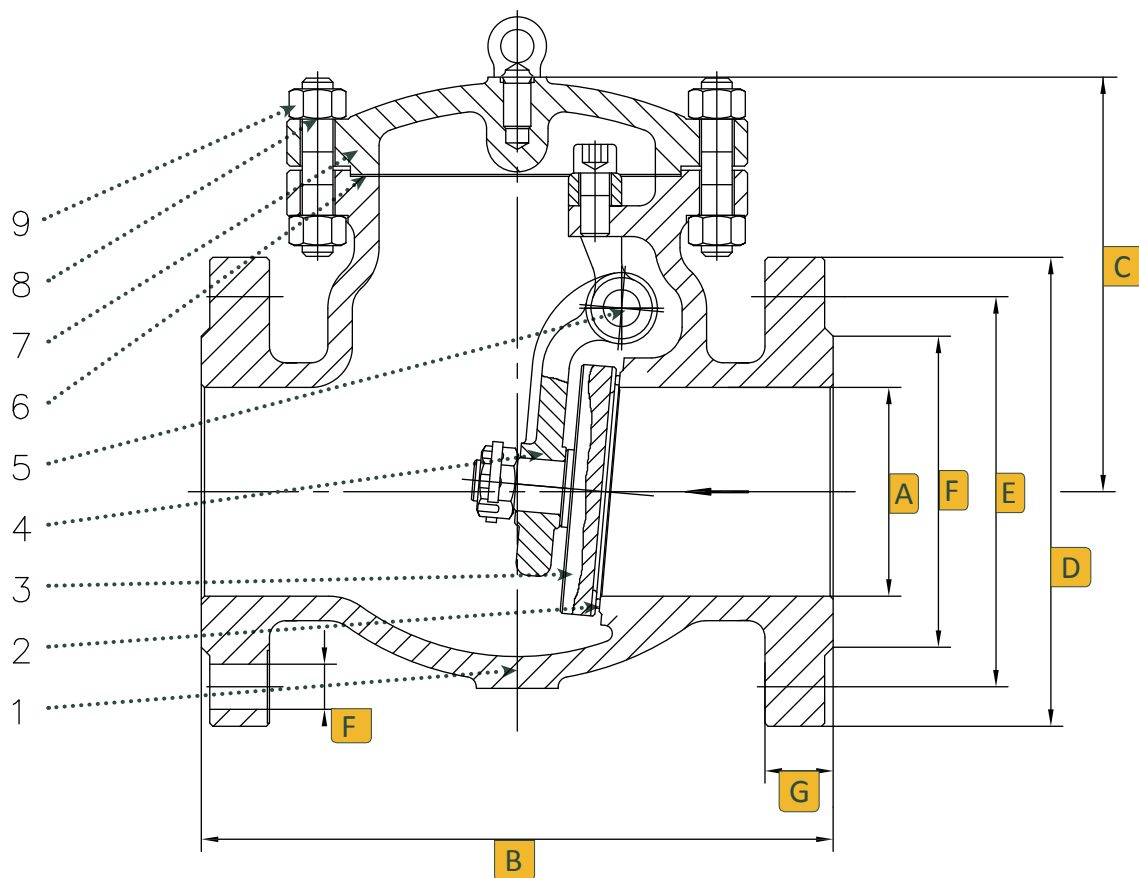
# 1/2" - 14" Dimensions, Parts & Materials



Size	A	B	C	D	E	F	G	H	Num of Bolt Holes
1/2	0.59	4.25	2.00	3.50	2.38	1.38	0.43	0.625	4
3/4	0.79	4.62	2.13	3.88	2.75	1.69	0.43	0.625	4
1	0.98	5.00	2.52	4.25	3.12	2.00	0.43	0.625	4
1-1/2	1.57	6.50	2.95	5.00	3.88	2.88	0.56	0.625	4
2	1.97	7.99	3.86	6.00	4.75	3.62	0.62	0.75	4
2-1/2	2.56	8.50	4.41	7.00	5.50	4.12	0.69	0.75	4
3	3.15	9.49	4.88	7.50	6.00	5.00	0.75	0.75	4
4	3.94	11.50	6.34	9.00	7.50	6.19	0.94	0.75	8
5	4.92	13.00	7.09	7.09	8.50	7.31	0.94	0.88	8
6	5.90	14.02	8.07	8.07	9.50	8.50	1.00	0.88	8
8	7.87	19.49	9.29	9.29	11.75	10.62	1.12	0.88	8
10	9.84	24.49	11.90	11.90	14.25	12.75	1.19	1.00	12
12	11.81	27.48	13.40	13.40	17.00	15.00	1.25	1.00	12
14	13.27	30.98	15.16	15.16	18.75	16.26	1.38	1.125	12

No.	Part Name	Material
1	Body	316 Stainless Steel - CF8M
2	Disc	316 Stainless Steel - CF8M
3	Nut	304 Stainless Steel
4	Arm Hinge	316 Stainless Steel
5	Hinge Pin	316 Stainless Steel
6	Gasket	PTFE
7	Washer	304 Stainless Steel
8	Bolt	304 Stainless Steel
9	Cover	316 Stainless Steel - CF8M
10	Bolt	304 Stainless Steel

# 16" - 24" Dimenisons, Parts & Materials



Size	A	B	C	D	E	F	G	H	Num of Bolt Holes
16	15.24	34.00	1.44	23.50	21.25	18.25	1.44	1.125	24
18	17.24	38.50	1.56	25.00	22.75	21.00	1.56	1.25	24
20	19.25	38.50	1.69	27.50	25.00	23.00	1.69	1.25	24
24	23.27	51.00	1.88	32.00	29.50	27.25	1.88	1.25	24

No.	Part Name	Material
1	Body	316 Stainless Steel - CF8M
2	Seal Facing	316 Stainless Steel - CF8M
3	Disc	316 Stainless Steel - CF8M
4	Hinge	316 Stainless Steel
5	Hinge Pin	316 Stainless Steel
6	Gasket	316 Stainless Steel + Graphite
7	Cover	316 Stainless Steel - CF8M
8	Cover Bolt	B8 Stainless Steel
9	Cover Nut	Grade 8 Nut

Temperature °F	Working Pressure psi
-20 to 100	275
200	235
300	215
400	195
500	170
600	140
650	125
700	110
750	95
800	80
850	65
900	50
950	35
1000	20

## Ordering

Fig: 8 - 25 - 1 - 1 - 6

Description: 8" - Series 25 - 150# Flange Ends - Stainless Steel

Size	Series	Class	Ends	Body Material	Options
1/2	25	1 150	1 Flange	6 316 Stainless Steel	X Oxygen Service SF Silicon Free RTJ Ring Type Joint Flange
3/4			2 Butt-weld		
1					
1-1/2					
2					
2-1/2					
3					
4					
5					
6					
8					
10					
12					
14					
16					
18					
20					
24					