

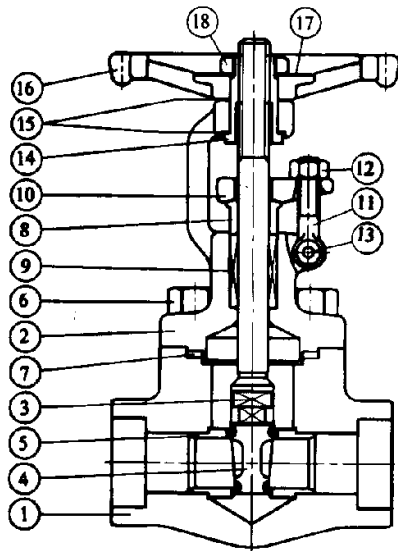
# ONERO FORGED STEEL GATE VALVES

Size/Pressure		
Class	From	To
800	1/2"	3"
1500	1/2"	2"
2500	1/2"	2"

Standards	
Design	ANSI B16.34/API 602
Test	API 598
Socket Weld End	ANSI B16.11
Screwed End	ANSI B1.20.1

OS&Y, RISING STEM, SOLID WEDGE, BOLTED BONNET, SCREWED OR SOCKET WELD END

## Materials List for Three Usual Services



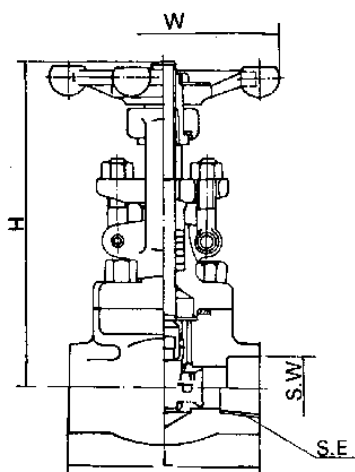
No	Part Name	Standard	NACE	LowTemp. NACE
1	Body	A105	A105	LF2
2	Bonnet	A105	A105	LF2
3	Stem	F6	F6	316
4	Disc	F6	F6	316
5	Seat Ring	F6-HFS	316-HFS	
6	Bonnet Bolt	B7	B7M	L7M
7	Gasket	304+ Graphite	316+Graphite	
		316 Soft Steel Ring (Class 2500)		
8	Gland	F6	316	316
9	Packing	Graphite		
10	Gland Flange	WCB		
11	Gland Bolt	B7	B7M	L7M
12	Gland Bolt Nut	2H	2HM	2HM
13	Gland Bolt Pin	410	410	304
14	Sleeve	410		
15	Sleeve Washer	410		
16	Handwheel	A197		
17	Nameplate	Aluminum		
18	Handwheel Nut	A108-1020		

## Alternatives Available

Structure	Bonnet	Welded Bonnet
	End Connection	SW x NPT
Materials	Body/Bonnet	F5, F11, F22, 304, 304L, 316, 316L
	Trims	API #1 (F6/F6), #5 (HF/HF), 304, 316, Monel, NACE standard

# ONERO FORGED STEEL GATE VALVES

## DIMENSIONS AND WEIGHTS



**R = Reduced Port;**  
**F = Full Port**

### Class 800

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")	65(2-1/2")	80(3")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")	---
d (mm)		10	13.6	18	24	29	36.8	46.5	51
L (mm)		79	92	111	120	120	140	178	185
H (Open, mm)		166	169	193	230	246	283	330	359
W (mm)		100	100	125	160	160	180	200	200
Weight (kgs)		2.1	2.3	4.0	5.9	6.9	11.2	15.8	20.0

### Class 1500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		13.6	13.6	18	24	29	36.8
L (mm)		111	111	114	120	140	162
H (Open, mm)		197	197	224	237	276	320
W (mm)		125	125	160	160	180	200
Weight (kgs)		4.6	4.6	6.3	8.7	12.1	17.2

### Class 2500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		11.2	14.2	19	25.4	29	38.1
L (mm)		114	120	140	162	180	200
H (Open, mm)		203	214	248	286	310	356
W (mm)		125	160	180	200	220	250

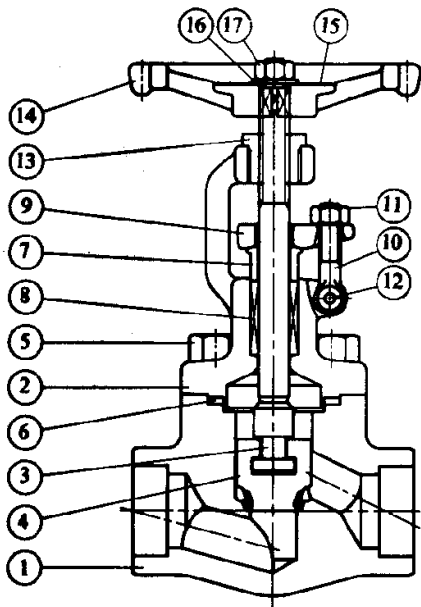
# ONERO FORGED STEEL GLOBE VALVES

Size/Pressure		
Class	From	To
800	1/2"	2"
1500	1/2"	2"
2500	1/2"	2"

Standards	
Design	ANSI B16.34/API 602
Test	API 598
Socket Weld End	ANSI B16.11
Screwed End	ANSI B1.20.1

OS&Y, RISING STEM, BOLTED  
BONNET, SCREWED OR  
SOCKET WELD END

### Materials List for Three Usual Services



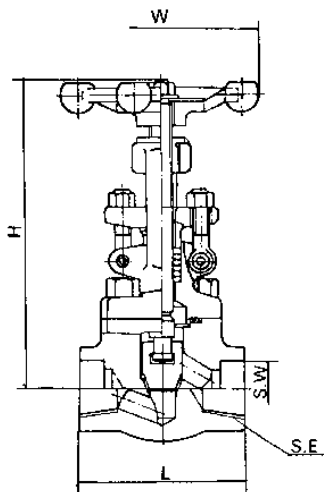
No	Part Name	Standard	NACE	LowTemp. NACE
1	Body	A105	A105	LF2
2	Bonnet	A105	A105	LF2
3	Stem	F6	F6	316
4	Disc	F6	F6	316
5	Bonnet Bolt	B7	B7M	L7M
6	Gasket	304+ Graphite	316+Graphite	
		316 Soft Steel Ring (Class 2500)		
7	Gland	F6	316	316
8	Packing	Graphite		
9	Gland Flange	WCB		
10	Gland Bolt	B7	B7M	L7M
11	Gland Bolt Nut	2H	2HM	2HM
12	Gland Bolt Pin	410	410	304
13	Sleeve	410		
14	Handwheel	A197		
15	Nameplate	Aluminum		
16	Handwheel Washer	A108-1020		
17	Handwheel Nut	A194-2H		

### Alternatives Available

Structure	Bonnet	Welded Bonnet
	End Connection	SW x NPT
Materials	Body/Bonnet	F5, F11, F22, 304, 304L, 316, 316L
	Trims	API #1 (F6/F6), #5 (HF/HF), 304, 316, Monel, NACE standard

# ONERO FORGED STEEL GLOBE VALVES

## DIMENSIONS AND WEIGHTS



**R = Reduced Port;**  
**F = Full Port**

### Class 800

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")	---
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
d (mm)		10	13	17	23	30	37	46
L (mm)		79	92	111	130	152	172	200
H (Open, mm)		176	176	212	230	254	294	327
W (mm)		100	100	125	160	160	180	200
Weight (kgs)		1.9	2.1	3.9	5.8	7.2	10.8	16

### Class 1500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		10	13	17	23	30	37
L (mm)		111	111	130	130	172	220
H (Open, mm)		207	207	240	240	290	337
W (mm)		125	125	160	160	180	200
Weight (kgs)		4.7	4.6	6.8	9.2	13.6	20.9

### Class 2500

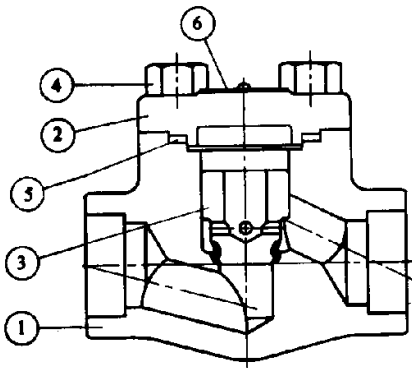
Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		11	14	19	26	30	36
L (mm)		130	130	172	220	220	220
H (Open, mm)		255	255	312	340	352	410
W (mm)		160	160	160	180	180	200

# ONERO FORGED STEEL PISTON CHECK VALVES

Size/Pressure		
Class	From	To
800	1/2"	2"
1500	1/2"	2"
2500	1/2"	2"

Standards	
Design	ANSI B16.34/API 602
Test	API 598
Socket Weld End	ANSI B16.11
Screwed End	ANSI B1.20.1

PISTON TYPE DISC, BOLTED COVER, SCREWED OR SOCKET WELD END



Materials List for Three Usual Services

No	Part Name	Standard	NACE	LowTemp. NACE
1	Body	A105	A105	LF2
2	Cover	A105	A105	LF2
3	Disc	F6	F6	316
4	Cover Bolt	B7	B7M	L7M
5	Gasket	304+ Graphite	316+Graphite	
		316 Soft Steel Ring (Class 2500)		
6	Nameplate	Aluminum		

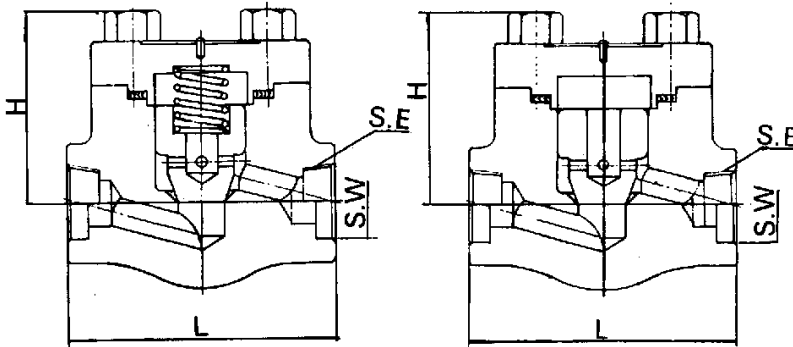
\*Spring loaded type is available on request

## Alternatives Available

Structure	Bonnet	Welded Bonnet
	End Connection	SW x NPT
Materials	Body/Cover	F5, F11, F22, 304, 304L, 316, 316L
	Trims	API #1 (F6/F6), #5 (HF/HF), 304, 316, Monel, NACE standard

# ONERO FORGED STEEL PISTON CHECK VALVES

## DIMENSIONS AND WEIGHTS



**R = Reduced Port;**

**F = Full Port**

### Class 800

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")	---
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
d (mm)		10	13	17	23	30	37	46.5
L (mm)		79	92	111	120	152	172	200
H (mm)		61	61	78	84	103	118	132
Weight (kgs)		1.2	1.4	2.3	3.9	5.6	8.9	12.5

### Class 1500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		10	13	17	23	30	37
L (mm)		111	111	130	152	172	220
H (mm)		79	79	97	104	120	139
Weight (kgs)		3.0	3.4	4.8	6.9	10.7	14.6

### Class 2500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		11	14	19	26	30	36
L (mm)		130	130	172	220	220	220
H (mm)		102	102	125	144	160	182

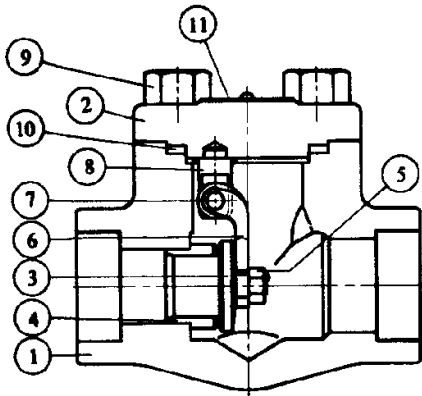
# ONERO FORGED STEEL SWING CHECK VALVES

Size/Pressure		
Class	From	To
800	1/2"	2"
1500	1/2"	2"

Standards	
Design	ANSI B16.34/API 602
Test	API 598
Socket Weld End	ANSI B16.11
Screwed End	ANSI B1.20.1

SWING TYPE DISC, BOLTED COVER, SCREWED OR SOCKET WELD END

### Materials List for Three Usual Services



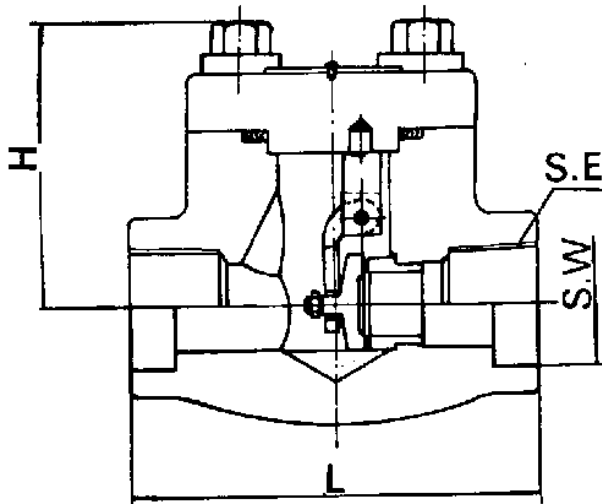
No	Part Name	Standard	NACE	LowTemp. NACE
1	Body	A105	A105	LF2
2	Cover	A105	A105	LF2
3	Disc	F6	F6	316
4	Seat Ring	F6-HFS	316-HFS	
5	Retaining Nut	2H	2HM	2HM
6	Hinge	A743-CA40	316	316
7	Hinge Pin	410	316	316
8	Supporter	304	316	316
9	Cover Bolt	B7	B7M	L7M
10	Gasket	304+ Graphite	316+Graphite	
11	Nameplate	Aluminum		

### Alternatives Available

Structure	Bonnet	Welded Bonnet
	End Connection	SW x NPT
Materials	Body/Bonnet	F5, F11, F22, 304, 304L, 316, 316L
	Trims	API #1 (F6/F6), #5 (HF/HF), 304, 316, Monel, NACE standard

# ONERO FORGED STEEL SWING CHECK VALVES

## DIMENSIONS AND WEIGHTS



**R = Reduced Port;**

**F = Full Port**

### Class 800

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")	---
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
d (mm)		10	13.6	18	24	29	36.8	46.5
L (mm)		79	92	111	120	120	140	170
H (mm)		61	61	78	84	101	120	133
Weight (kgs)		1.0	1.1	1.9	3.4	4.5	7.3	9.8

### Class 1500

Nominal Diameter	R	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")	50(2")
	F	---	15(1/2")	20(3/4")	25(1")	32(1-1/4")	40(1-1/2")
d (mm)		10	13.6	18	24	29	36.8
L (mm)		111	111	120	140	140	162
H (mm)		79	79	97	105	120	140
Weight (kgs)		3.0	3.6	4.3	6.1	8.8	12.6