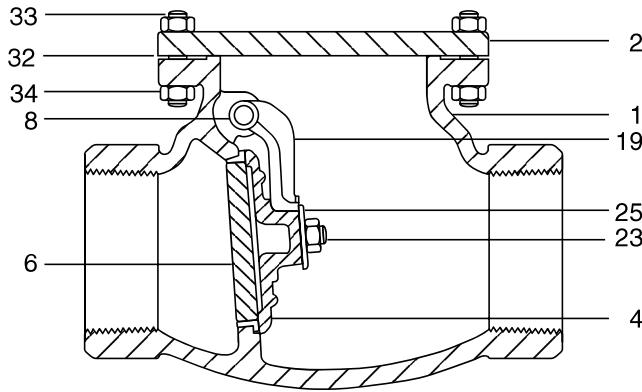


**Class 125 • Bolted Cap • Bronze Trim • Threaded Ends**

**372 Check Valve**



**Materials of Construction**

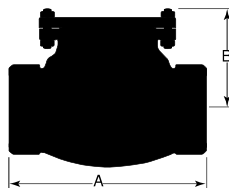
No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Cap	Cast Iron	A126 Class B
4	Disc	Bronze	B62
6	Seat Ring	Bronze	B62
8	Hinge Pin	Alum Silicon Bronze	B150
19	Hinge	Bronze	B62
23	Disc Nut	Brass	B16
24	Side Plug*	Brass	B16
25	Disc Washer	Brass	B36
28	Hinge Pin Bushing*	Brass	B62
32	Bonnet Gasket	Aramid Fibers with SBR Binder	
33	Cap Bolt	Carbon Steel	A307 Gr. B
34	Cap Bolt Nut	Carbon Steel	A563 Gr. A
36	Identification Plate*	Aluminum	

\* Not shown

See page 5 for Pressure Temperature Ratings

**Industry Standards**

MSS SP-71, Type 1



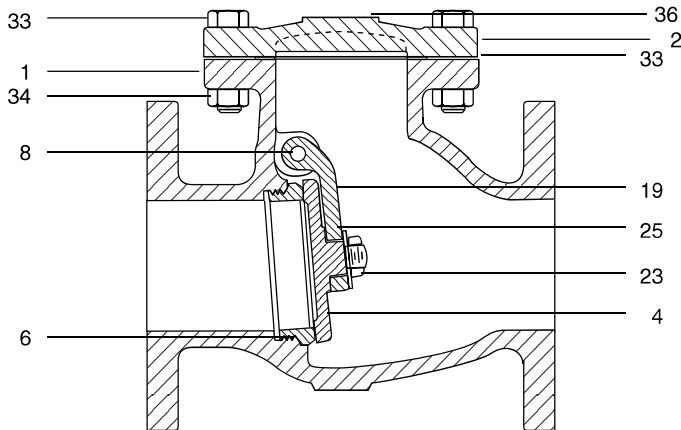
**Dimensions and Weights**

Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions		WT
	A	B	
2	6.12	4.50	18
	(155)	(114)	(8)
2 ½	7.25	5.38	22
	(184)	(137)	(10)
3	8.00	5.88	29
	(203)	(149)	(13)
4	9.25	6.62	54
	(235)	(168)	(25)

## Class 125 • Bolted Cap • Bronze Trim • Flanged Ends

### 373 Check Valve



#### Dimensions and Weights Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions		WT
	B	M	
2	4.50	8.00	25
	(114)	(203)	(11)
2 ½	5.38	8.50	30
	(137)	(216)	(14)
3	5.88	9.50	42
	(149)	(241)	(19)
4	6.62	11.50	74
	(168)	(292)	(33)
5	7.75	13.00	100
	(197)	(330)	(45)
6	8.25	14.00	125
	(210)	(356)	(56)
8	10.25	19.50	230
	(260)	(495)	(104)
10	12.00	24.50	490
	(305)	(622)	(219)
12	13.75	27.50	660
	(349)	(699)	(317)
14	15.50	31.00	794
	(393)	(787)	(360)
16	17.63	36.00	1020
	(447)	(914)	(462)
18	19.25	36.00	1304
	(610)	(914)	(591)
20	27.62	40.00	2590
	(702)	(1016)	(1117)
24	31	46.00	3840
	(787)	(1168)	(1745)

### Materials of Construction

No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Cap	Cast Iron	A126 Class B
4	Disc	Bronze (2" - 6")	B584 C84400
		Cast Iron (8" - 24")	A126 Class B
6	Seat Ring	Bronze (2" - 12")	B584 C84400
		Bronze (14" - 24")	B584 C84400
7	Disc Ring	Bronze (8" - 12")	B584 C84400
		Bronze (14" - 24")	B584 C84400
8	Hinge Pin	Alum Silicon Bronze (2" - 8")	B150 C64200
		Naval Brass (10" - 12")	B21 C48200
		Stainless Steel (14" - 16")	
		Stainless Steel (18" - 24")	
19	Hinge	Bronze (2" - 6")	B584 C84400
		Ductile Iron (8" - 12")	A536 Gr. 65-45-12
		Ductile Iron (18" - 24")	A536 Gr. 65-45-12
		Carbon Steel (14" - 16")	
20	Disc Stud	Steel (8" - 16")	A108
		Steel (18" - 24")	A108
21	Disc Stud Pin	18-8 Stainless Steel (8" - 16")	
		Steel (18" - 24")	
23	Disc Nut	Brass (2" - 6")	B16 C36000
		Steel (8" - 24")	A563 Gr. A
24	Side Plug	Brass (2" - 16")	B16 C36000
		Ductile Iron (18" - 24")	A536 Gr. 65-45-12
25	Disc Washer	Brass (2" - 6")	B36
		Steel (8" - 16")	
26	Lockwasher*	Steel (18" - 24")	
27	Plain Washer*	Steel (18" - 24")	
28	Hinge Pin Bushing*	Brass (2" - 12")	B16 C36000
		Bronze (14" - 16")	
32	Bonnet Gasket	Aramid Fibers with SBR Binder	
33	Cap Bolt	Carbon Steel	A307 Gr. B
34	Cap Bolt Nut	Carbon Steel	A563 Gr. A
36	Identification Plate	Aluminum	

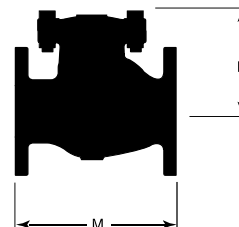
\* Not shown

See page 5 for Pressure Temperature Ratings

#### Industry Standards

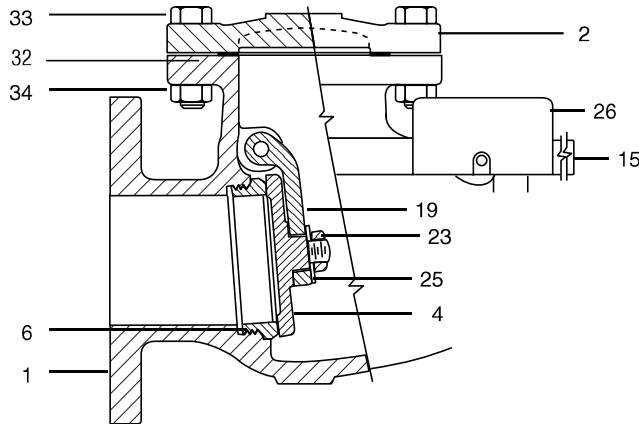
Military Specification: MIL-V-18436

MSS SP-71, Type 1



**Class 125 • Bolted Cap • Bronze Trim • Flanged Ends**

**383 Lever and Weight Check Valve**



**Dimensions and Weights**  
Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions		WT
	B	M	
2	4.50 (114)	8.00 (203)	30 (14)
2 ½	5.38 (137)	8.50 (216)	40 (18)
3	5.88 (149)	9.50 (241)	54 (24)
4	6.62 (168)	11.50 (292)	85 (38)
6	8.25 (210)	14.00 (356)	137 (62)
8	10.25 (260)	19.50 (495)	240 (108)
10	12.00 (305)	24.50 (622)	460 (208)
12	13.75 (349)	27.50 (699)	700 (317)
14	16.88 (429)	31.00 (787)	1060 (481)
16	19.12 (486)	36.00 (914)	1500 (682)
18	24.00 (610)	36.00 (914)	1970 (895)
20	27.62 (702)	42.00 (1067)	2590 (1117)
24	31.00 (787)	46.00 (1168)	3840 (1745)

**Materials of Construction**

No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Cap	Cast Iron	A126 Class B
4	Disc	Bronze (2" - 6")	B584 C84400
		Cast Iron (8")	A126 Class B
6	Body Seat Ring	Bronze	B584 C84400
7	Disc Seat Ring*	Bronze (8")	B584 C84400
8	Hinge Pin**	Exelloy	A276 Type 410
11	Stuffing Box**	Brass	B16 C36000
12	Packing**	Braided Flexible Graphite with Corrosion Inhibitor	
14	Packing Nut**	Bronze	B16 C36000
15	Lever†	Ductile Iron	A536 Gr. 65-45-12
19	Hinge†	Bronze (2" - 6")	B584 C84400
		Ductile Iron (8")	A536 Gr. 65-45-12
20	Disc Stud*	Steel (8")	A108
21	Disc Stud Pin*	18-8 Stainless Steel (8")	
22	Hinge Pin Key**	Steel	A108
23	Nut for Disc	Brass (2" - 6")	B16 C36000
		(8") Steel	A563 Gr. A
24	Hinge Pin Plug*	Brass	B16 C36000
25	Disc Washer	Brass (2" - 6")	B36
		Steel (8")	
26	Weight†	Cast Iron	A126 Class B
27	Hinge Pin Bushing*	Bronze	B16 C36000
28	Lever Washer**	Steel	
29	Coupling**	Ductile Iron	A536 Gr. 65-45-12
30	Gib-Key**	Steel	
31	Lever Nut**	Steel Di-Chromate	
32	Gasket†	Aramid Fibers with SBR Binder	
33	Cap Bolts	Steel	A307 Gr. B
34	Cap Bolt Nuts	Steel	A563 Gr. A
36	ID Plate*	Aluminum	

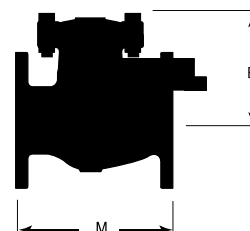
\* Not shown

† Parts indicated are necessary for changing regular valve to outside lever and weight. See page 6 for Lever and Weight Technical Orientation Data

See page 5 for Pressure-Temperature Ratings

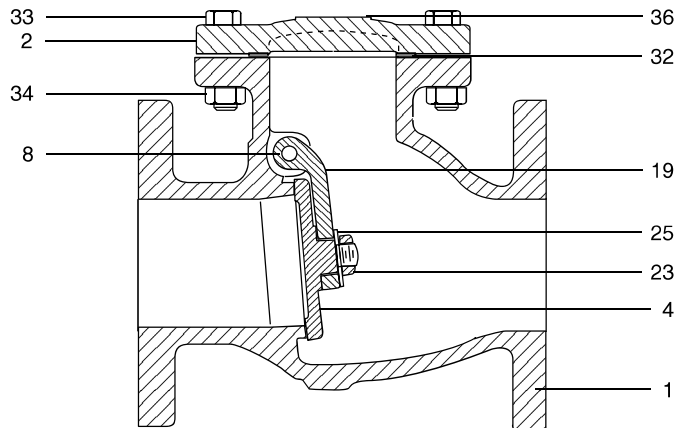
**Industry Standards**

MSS SP-71, Type 1



## Class 125 • Bolted Cap • All Iron • Flanged Ends

### 373 1/2 Check Valve



#### Dimensions and Weights Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions		WT
	B	M	
2	4.50	8.00	25
	(114)	(203)	(11)
2 1/2	5.38	8.50	30
	(137)	(216)	(13)
3	5.88	9.50	42
	(149)	(241)	(19)
4	6.62	11.50	74
	(168)	(292)	(33)
5	7.75	13.00	100
	(197)	(330)	(45)
6	8.25	14.00	125
	(210)	(356)	(56)
8	10.25	19.50	230
	(260)	(495)	(104)
10	12.00	24.50	440
	(305)	(622)	(200)
12	13.75	27.50	660
	(349)	(699)	(299)
14	16.88	31.00	1060
	(429)	(787)	(481)
16	19.12	36.00	1500
	(486)	(914)	(682)
18	24.00	38.00	1970
	(610)	(965)	(895)
20	27.62	42.00	2590
	(702)	(1067)	(1117)
24	31.00	46.00	3840
	(787)	(1168)	(1745)

#### Materials of Construction

No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Cap	Cast Iron	A126 Class B
4	Disc	Ductile Iron (2" - 4")	A536 Gr. 65-45-12
		Cast Iron (6" - 24")	A126 Class B
6	Seat Ring*	Cast Iron (5", 10" - 24")	A126 Class B
		Cast Iron (2" - 4", 6" - 8") (Integral)	A126 Class B
8	Hinge Pin	Stainless Steel	A276 Type 410
19	Hinge	Ductile Iron	A536 Gr. 65-45-12
20	Disc Stud	Steel (8" - 16")	A108
		Steel (18" - 24")	A108
21	Disc Stud Pin	18-8 Stainless Steel (8" - 16")	
		Steel (18" - 24")	
23	Disc Nut	Steel (8" - 24")	A563 Gr. A
24	Side Plug*	Carbon Steel (2" - 12")	
		Ductile Iron (14" - 24")	A536 Gr. 65-45-12
25	Disc Washer	Carbon Steel (2" - 12")	
26	Lockwasher*	Steel (14" - 24")	
27	Plain Washer*	Steel (14" - 24")	
28	Hinge Pin Bushing*	Carbon Steel (2" - 12")	A108 Gr. 1018
32	Cap Gasket	Aramid Fibers with SBR Binder	
33	Cap Bolt	Carbon Steel	A307 Gr. B
34	Cap Bolt Nut	Carbon Steel	A563 Gr. A
36	Identification Plate	Aluminum	

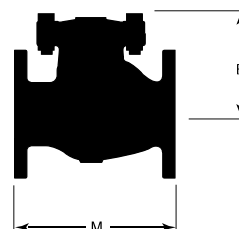
\* Not shown

See page 5 for Pressure Temperature Ratings

#### Industry Standards

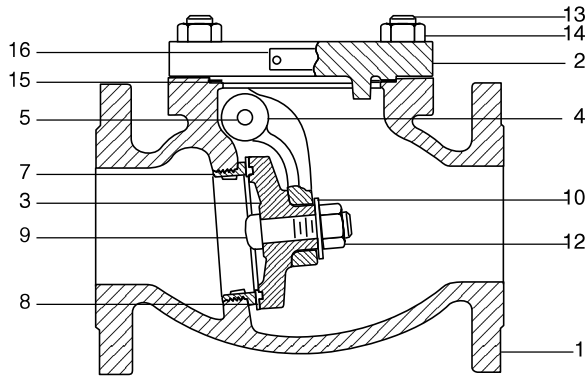
Military Specification: MIL-V-18436

MSS SP-71, Type 1



**Class 250 • Bolted Cap • Bronze Trim • Flanged Ends**

**39E Check Valve**



**Materials of Construction**

No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Cap	Cast Iron	A126 Class B
3	Disc	Bronze (2" - 3")	B584 C84400
		Cast Iron (4" - 8")	A126 Class B
4	Hinge	Ductile Iron	A536 Gr. 65-45-12
5	Hinge Pin	13 Cr. Stainless Steel (2" - 3")	A276 Type 410
		Bronze (4" - 8")	
6	Hinge Pin Plug*	Bronze	B16 C36000
7	Body Seat Ring	Bronze	B584 C84400
8	Disc Seat Ring	Bronze (4" - 8")	B584 C84400
9	Disc Bolt	Steel (4" - 8")	
10	Disc Nut Washer	Steel	
12	Disc Bolt Nut	Steel - Dichromate Fin.	
13	Cap Studs	Steel	A108
14	Cap Stud Nuts	Steel	A563 Gr. A
15	Gasket	Aramid Fibers with SBR Binder	
16	Identification Plate	Aluminum	

\* Not shown

See page 5 for Pressure Temperature Ratings

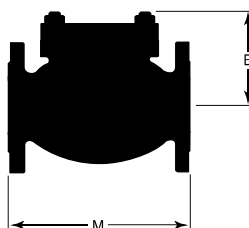
**Industry Standards**

Military Specification: MIL-V-18436 Group B, Type 3, Trim 5  
MSS SP-71, Type 1

**Dimensions and Weights**

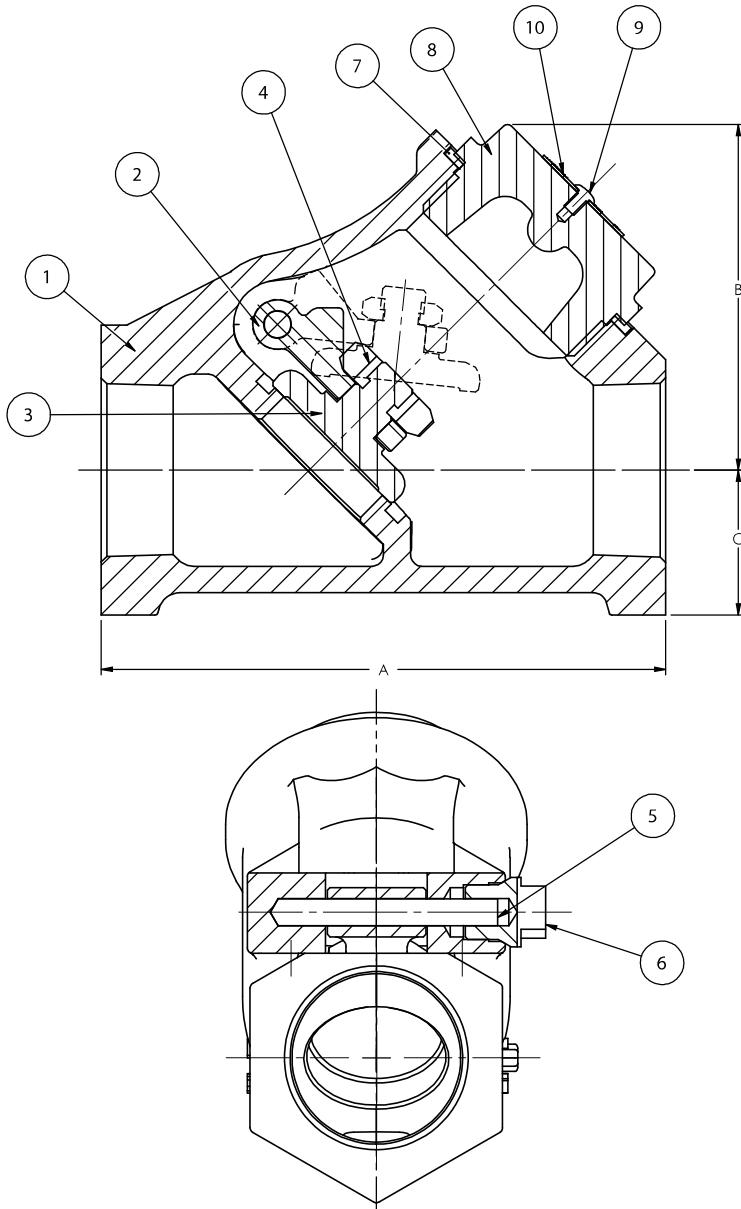
Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions		WT
	B	M	
2	5.25	10.50	46
	(133)	(267)	(21)
2 ½	6.00	11.50	64
	(152)	(292)	(29)
3	6.25	12.50	90
	(159)	(318)	(41)
4	7.25	14.00	133
	(184)	(356)	(60)
6	9.00	17.50	250
	(229)	(445)	(113)
8	11.00	21.00	410
	(279)	(533)	(185)



## Class 300 • Threaded Cap • Y-Pattern • All Iron • Threaded

### 346 1/2 Check Valve



### Materials of Construction

No.	Description	Material	ASTM
1	Body	Ductile Iron	A536, 65-45-12
2	Hinge	Ductile Iron	A536, 65-45-12
3	Disc	Ductile Iron	A536, 65-45-12
4	Nut	Steel	A194 2H
5	Hinge Pin	Stainless Steel	AISI 410
6	Plug	Stainless Steel	AISI 304
7	Gasket	Aramid Fiber Blend with Nitrile Binder	
8	Bonnet Cap	Ductile Iron	A536, 65-45-12
9	Rivet	Steel	
10	ID Tag	Anodized Aluminum B&S Gauge #24	

### Industry Standards

MSS SP-71

ASME B1.20.1

Temperature Valve Ratings		Working Pressures, Non-shock, PSI	
°F	°C	PSI	kPa
-20 to 100	-30 to 37	640	4412
200	93	600	4136
300	149	565	3895
400	205	525	3619
500	260	495	3412
600	315	465	3206
650	343	450	3102

### Dimensions and Weights

Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions			WT
	A	B	C	
1/2	2.75	1.69	1.06	1.34
	(70)	(43)	(27)	(.61)
3/4	3.27	1.90	1.06	1.67
	(83)	(48)	(27)	(.76)
1	4.06	2.45	1.06	2.50
	(103)	(62)	(27)	(1.11)
1 1/4	4.75	2.85	1.30	3.52
	(120)	(73)	(32)	(1.60)
1 1/2	5.40	3.29	1.40	5.42
	(137)	(84)	(36)	(2.46)
2	6.62	4.28	1.70	9.19
	(168)	(109)	(43)	(4.17)