Check Valves

CT Series

FITOK Group

FITOK GmbH (Headquarter)
Sprendlinger Landstr. 115, 63069 Offenbach, Germany
Tel.: +49 69 8900 4498 Fax: +49 69 8900 4495

FITOK, Inc.
13000 Murphy Road, Suite 116, Stafford, TX 77477, USA
Tel.: +1 281 888 0077 Fax: +1 281 888 0033

FITOK Middle East Oil Equipment Trading LLC
208-209, Makateb Tower, Airport Road, P.O.Box 185412,
Deira, DUBAI, United Arab Emirates
Tel.: +971 4 2959 853 Fax: +971 4 2959 854

FITOK Incorporated
Yingtailong Industrial Park, Shenzhen, 518109, China
Tel.: +86 755 2803 2500 Fax: +86 755 2803 2619

info@fitokgroup.com
www.fitokgroup.com

GS0420409

FITOK
Valves and Fittings

Forged Steel Check Valves

CT Series

- Size: 1/4 ~ 2" (8 ~ 50 mm)
- Class: 150 ~ 4500

Specifications

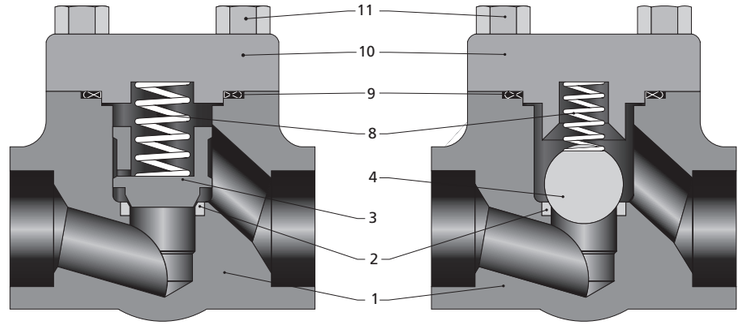
- Design: ANSI B16.34, API 602
- Testing: ANSI B16.34 and API 598
- Marking: MSS-SP-25
- Socket weld ends: ASME B16.11
- Butt weld ends: ASME B16.25
- Threaded ends: ASME B1.20.1
- Flanged: ASME B16.5

Features

- Three types of bonnet designs:
  - Bolted Bonnet (Class 150 to Class 1500)
    Stronger and leakproof body bonnet encases fully a spiral wound gasket.
  - Welded Bonnet (Class 800 to Class 4500)
    For welded bonnet valves, the bonnet is threaded in and torqued to an engineered torque value and the body bonnet joint is strength-welded, offering double protection against leakage. (body/bonnet threads and strength-weld).
  - Pressure Seal Bonnet (Class 1500 to Class 4500)
    Pressure seal bonnet, the body bonnet joint is threaded, packing rings are compressed to provide a high integrity seal by the drawing-in stud.
- Fully guided disc assures seat and disc precise alignment in spite of side thrust caused by high velocity flow, and prevents stem from scoring and galling, and provides longer disc seal and body life.
- Solid Stellite disc, seat ring (optional) ensures long service life even in severe services.
- Loading springs available.
- A compact but extremely sturdy design for high pressure-temperature service.
- High Cv.

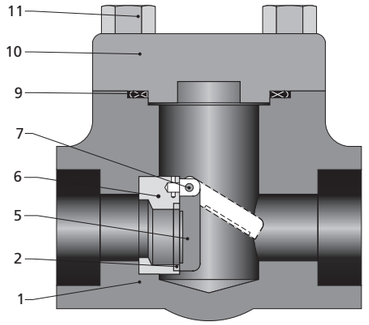
Standard Material of Construction

Bolted Bonnet



Piston Bolted Bonnet Check

Ball Type Bolted Bonnet Check



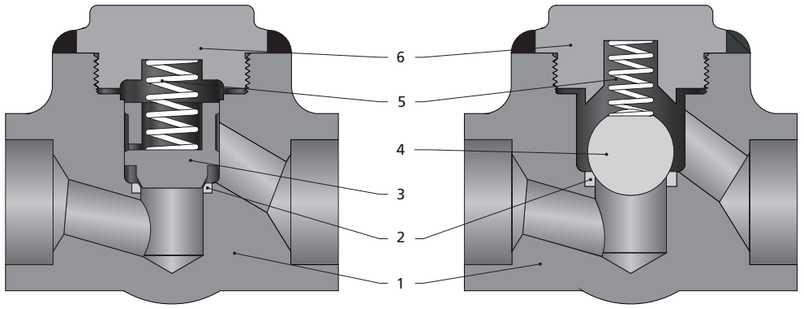
Swing Bolted Bonnet Check

Item	Part	Valve Materials				
		A105	F11	F22	F51	F316
1	Body	A105N	F11/A182	F22/A182	F51/A182	F316/A182
2	Seat	410 SS/A276			S31803/A276	316 SS/276
3	Disc	F6a			F51/A182	F316/A182
4	Ball	430 SS			S31803/A276	316 SS/276
5	Seat	F6a			F51/A182	F316/A182
6	Swing holder	410 SS/A276			S31803/A276	316 SS/276
7	Swing Pin	410 SS/A276			S31803/A276	316 SS/276
8	Spring	302 SS				
9	Gasket	304 SS + graphite			316 SS + graphite	
10	Bonnet	A105N	F11/A182	F22/A182	F51/A182	F316/A182
11	Bolt	B7			B8M2	

Contact the authorized representative or FITOK Group for valves of other materials.

Standard Material of Construction

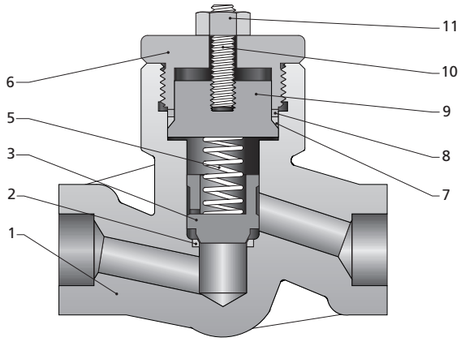
Welded Bonnet



Piston Welded Bonnet Check

Ball Type Welded Bonnet Check

Pressure Sealing



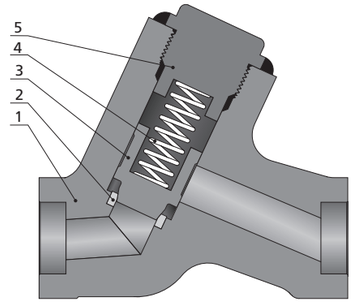
Piston Pressure Sealing Check

Item	Part	Valve Materials				
		A105	F11	F22	F51	F316
1	Body	A105N	F11/A182	F22/A182	F51/A182	F316/A182
2	Seat	410 SS/A276			S31803/A276	316 SS/276
3	Disc	F6a			F51/A182	F316/A182
4	Ball	430 SS			S31803/A276	316 SS/276
5	Spring	302 SS				
6	Bonnet	A105N	F11/A182	F22/A182	F51/A182	F316/A182
7	P.S ring	304 SS/A276			S31803/A276	316 SS/276
8	Seal ring gasket	304 SS/A276			S31803/A276	316 SS/276
9	P.S seat	304 SS/A276			S31803/A276	316 SS/276
10	Lift nut	2H			8M	
11	Lift stud	B7			B8M2	

Contact the authorized representative or FITOK Group for valves of other materials.

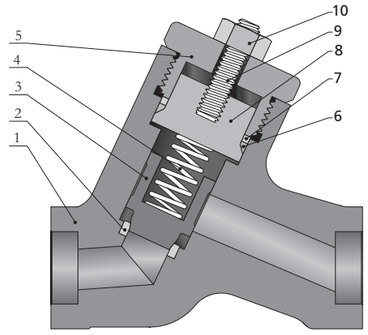
Standard Material of Construction

Y Type Welded Bonnet



Piston Welded Bonnet Check

Y Type Pressure Sealing

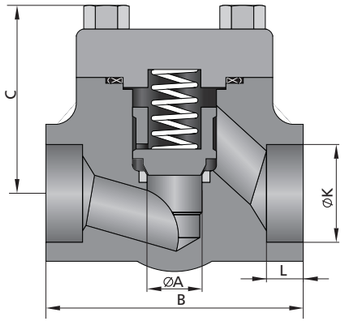


Piston Pressure Sealing Check

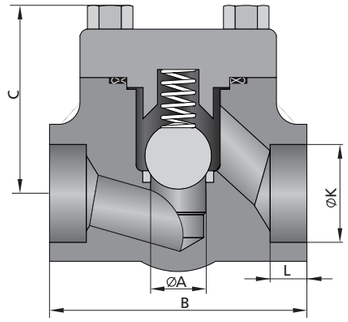
Item	Part	Valve Materials				
		A105	F11	F22	F51	F316
1	Body	A105N	F11/A182	F22/A182	F51/A182	F316/A182
2	Seat	410 SS/A276			S31803/A276	316 SS/276
3	Disc	F6a			F51/A182	F316/A182
4	Spring	302 SS				
5	Bonnet	A105N	F11/A182	F22/A182	F51/A182	F316/A182
6	P.S ring	304 SS/A276			S31803/A276	316 SS/276
7	Seal ring gasket	304 SS/A276			S31803/A276	316 SS/276
8	P.S seat	304 SS/A276			S31803/A276	316 SS/276
9	Lift nut	2H			8M	
10	Lift stud	B7			B8M2	

Contact the authorized representative or FITOK Group for valves of other materials.

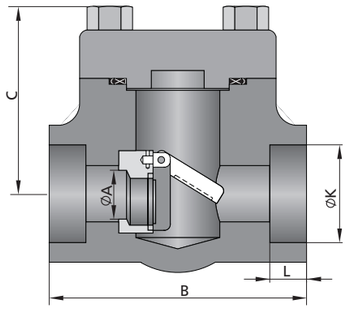
Bolted Bonnet



Piston Bolted Bonnet Check



Ball Type Bolted Bonnet Check



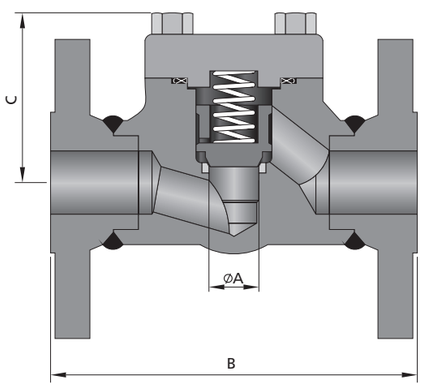
Swing Bolted Bonnet Check

Bolted Bonnet Check Dimensions and Weights (Threaded ends and welded ends)

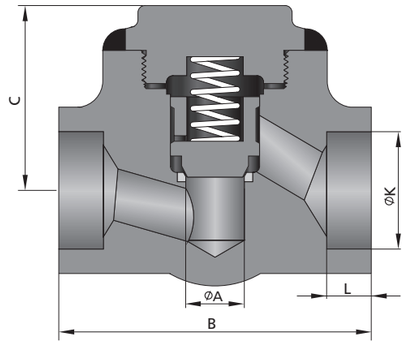
Size NPS DN	ØA in. mm				B in. mm				C in. mm				ØK in. mm	L in. mm	Weight lb kg			
	Piston and Ball Type		Swing		Piston and Ball Type		Swing		Piston and Ball Type		Swing		Socket Weld Bore	Socket Weld Depth	Piston and Ball Type		Swing	
	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500			800	1500	800	1500
1/4 8	0.31 8	0.31 8	0.31 8	—	3.00 76	3.50 89	3.00 76	3.50 89	2.4 61	2.4 61	2.4 61	2.4 61	0.555 14.10	0.38 10	3.00 1.4	4.00 1.8	3.00 1.4	4.00 1.8
3/8 10	0.31 8	0.31 8	0.31 8	—	3.00 76	4.40 111	3.00 76	4.40 111	2.4 61	3.1 78	2.4 61	3.1 78	0.690 17.53	0.38 10	3.00 1.4	8.00 3.6	3.00 1.4	8.00 3.6
1/2 15	0.38 10	0.50 13	0.38 10	0.50 13	3.00 76	4.40 111	3.00 76	4.40 111	2.4 61	3.1 78	2.4 61	3.1 78	0.855 21.72	0.38 10	4.00 1.8	8.00 3.6	4.00 1.8	8.00 3.6
3/4 20	0.50 13	0.50 13	0.50 13	0.50 13	3.50 89	5.00 127	3.50 89	5.00 127	3.1 78	3.1 78	3.1 78	3.1 78	1.065 27.05	0.50 13	5.00 2.3	10.00 4.5	5.00 2.3	10.00 4.5
1 25	0.75 19	0.75 19	0.75 19	0.75 19	4.40 111	5.00 127	4.40 111	5.00 127	3.3 84	3.3 84	3.3 84	3.3 84	1.330 33.78	0.50 13	8.00 3.6	10.00 4.5	8.00 3.6	10.00 4.5
1 1/4 32	1.25 32	1.25 32	1.25 32	1.25 32	5.00 127	6.00 152	5.00 127	5.00 127	3.3 84	3.8 97	3.3 84	3.8 97	1.675 42.55	0.50 13	10.00 4.5	14.00 6.4	10.00 4.5	11.00 5.0
1 1/2 40	1.25 32	1.25 32	1.25 32	1.25 32	6.00 152	6.80 172	5.00 127	5.50 140	3.3 84	4.6 118	3.3 84	4.7 120	1.915 48.64	0.50 13	10.00 4.5	23.00 10.5	10.00 4.5	19.00 8.6
2 50	1.5 38	1.5 38	1.5 38	1.5 38	6.80 172	8.00 203	5.50 140	7.00 178	4.7 120	5.2 132	4.7 120	5.2 132	2.406 61.11	0.63 16	19.00 8.6	28.00 12.7	23.00 10.5	24.00 10.9

Bolted Bonnet Check Dimensions and Weights (Flanged ends)

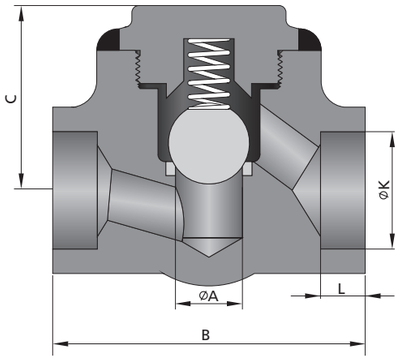
Size NPS DN	ØA in. mm				B in. mm				C in. mm			
	Piston Ball and Swing				Piston Ball and Swing				Piston Ball and Swing			
	150	300	600	1500	150	300	600	1500	150	300	600	1500
1/4 8	0.31 8	—	—	—	4.00 102	—	—	—	2.4 61	—	—	—
3/8 10	0.31 8	—	—	—	4.00 102	—	—	—	2.4 61	—	—	—
1/2 15	0.38 10	0.38 10	0.38 10	0.50 13	4.25 108	6.00 152	6.50 165	8.50 216	2.4 61	2.4 61	2.4 61	3.07 78
3/4 20	0.50 13	0.50 13	0.50 13	0.50 13	4.62 117	7.00 178	7.50 190	9.00 229	3.1 78	3.1 78	3.1 78	3.1 78
1 25	0.75 19	0.75 19	0.75 19	0.75 19	5.00 127	8.00 203	8.50 216	10.00 254	3.3 84	3.3 84	3.3 84	3.3 84
1 1/4 32	1.25 32	1.25 32	1.25 32	1.25 32	5.50 140	8.50 216	9.00 229	11.00 279	3.3 84	3.3 84	3.3 84	3.8 97
1 1/2 40	1.25 32	1.25 32	1.25 32	1.25 32	6.50 165	9.00 229	9.50 241	12.00 305	3.3 84	3.3 84	3.3 84	4.7 120
2 50	1.5 38	1.5 38	1.5 38	1.5 38	7.00 178	10.50 266	11.50 292	14.50 368	4.7 120	4.7 120	4.7 120	5.2 132



Welded Bonnet



Piston Welded Bonnet Check



Ball Type Welded Bonnet Check

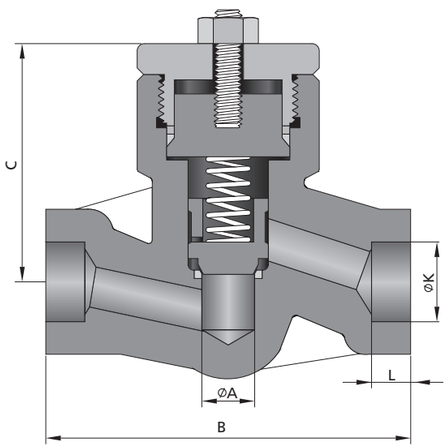
Welded Bonnet Check Dimensions and Weights (Threaded ends and welded ends)

Size NPS DN	ØA in. mm		B in. mm		C in. mm		ØK in. mm	L in. mm	Weight lb kg	
	Piston and Ball		Piston and Ball		Piston and Ball		Socket Weld Bore	Socket Weld Depth	Piston and Ball	
	800	1500	800	1500	800	1500			800	1500
1/4 8	0.31 8	0.31 8	3.00 76	3.50 89	2.4 61	2.4 61	0.555 14.10	0.38 10	3.00 1.4	4.00 1.8
3/8 10	0.31 8	0.31 8	3.00 76	4.40 111	2.4 61	3.1 78	0.690 17.53	0.38 10	3.00 1.4	8.00 3.6
1/2 15	0.50 13	0.50 13	3.50 89	4.40 111	2.4 61	3.1 78	0.855 21.72	0.38 10	4.00 1.8	8.00 3.6
3/4 20	0.50 13	0.50 13	3.50 89	5.00 127	3.1 78	3.1 78	1.065 27.05	0.50 13	5.00 2.3	10.00 4.5
1 25	0.75 19	0.75 19	4.40 111	5.00 127	3.3 84	3.3 84	1.330 33.78	0.50 13	8.00 3.6	10.00 4.5
1 1/4 32	1.25 32	1.25 32	5.00 127	6.00 152	3.3 84	4.0 102	1.675 42.55	0.50 13	10.00 4.5	14.00 6.4
1 1/2 40	1.25 32	1.25 32	6.00 152	6.80 172	4.0 102	4.6 118	1.915 48.64	0.50 13	10.00 4.5	23.00 10.5
2 50	1.5 38	1.5 38	6.80 172	8.00 203	4.6 118	5.2 132	2.406 61.11	0.63 16	19.00 8.6	28.00 12.7

Pressure Sealing

Pressure Sealing Check Dimensions and Weights (Threaded ends and welded ends)

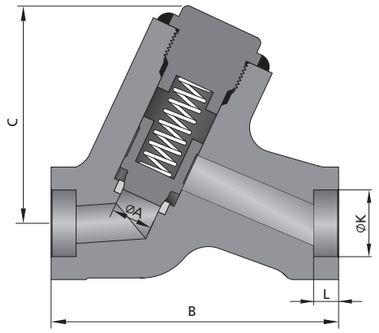
Size NPS DN	ØA in. mm		B in. mm		C in. mm		ØK in. mm	L in. mm	Weight lb kg	
	Piston		Piston		Piston		Socket Weld Bore	Socket Weld Depth	Piston	
	1500	2500	1500	2500	1500	2500			1500	2500
1/2 15	0.50 13	0.50 13	5.50 140	7.30 186	4.6 118	4.6 118	0.855 21.72	0.38 10	15.0 6.8	23.0 10.5
3/4 20	0.50 13	0.50 13	5.50 140	7.30 186	4.6 118	4.6 118	1.065 27.05	0.50 13	15.5 7.0	24.0 11.0
1 25	0.75 19	0.75 19	5.50 140	7.30 186	4.6 118	4.6 118	1.330 33.78	0.50 13	16.5 7.5	26.0 11.8
1 1/4 32	1.10 28	1.00 25	7.00 178	8.50 216	6.0 152	6.0 152	1.675 42.55	0.50 13	40.8 18.5	50.5 23.0
1 1/2 40	1.25 32	1.25 32	8.50 216	8.50 216	7.7 195	7.7 195	1.915 48.64	0.50 13	45.0 20.5	58.5 26.5
2 50	1.5 38	1.5 38	8.50 216	11.00 279	7.7 195	7.7 195	2.406 61.11	0.63 16	48.5 22.0	86.0 39.0



Piston Pressure Sealing Check

Y Type Check

Y Type Welded Bonnet



Piston Welded Bonnet Check

Y Type Welded Bonnet Check Dimensions and Weights (Threaded ends and welded ends)

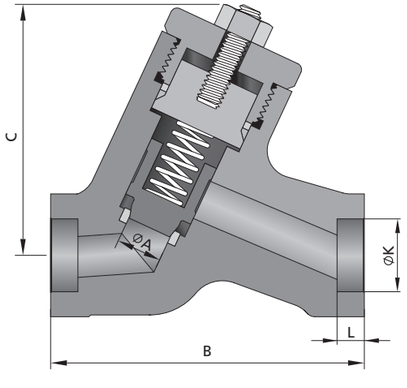
Size NPS DN	Ø A in mm				B in mm				C in mm				Ø K in mm	L in mm	Weight lb kg			
	Piston				Piston				Piston				Socket Weld Bore	Socket Weld Depth	Piston			
	800	1500	2500	4500	800	1500	2500	4500	800	1500	2500	4500			800	1500	2500	4500
1/4 8	0.31 8	—	—	—	3.00 76	—	—	—	2.5 65	—	—	—	0.555 14.10	0.38 10	4.00 1.8	—	—	—
3/8 10	0.31 8	0.31 8	0.31 8	0.31 8	3.00 76	3.50 89	7.30 185	6.00 152	2.5 65	2.5 65	4.5 115	4.7 120	0.690 17.53	0.38 10	4.00 1.8	4.50 2.0	23.0 10.5	18.00 8.2
1/2 15	0.50 13	0.50 13	0.50 13	0.50 13	3.50 89	4.00 102	7.30 185	6.00 152	2.5 65	2.5 65	4.5 115	4.7 120	0.855 21.72	0.38 10	4.50 2.0	8.00 3.6	23.0 10.5	18.00 8.2
3/4 20	0.50 13	0.50 13	0.50 13	0.50 13	4.00 102	4.00 102	7.30 185	6.00 152	3.7 95	3.7 95	4.7 120	4.7 120	1.065 27.05	0.50 13	8.00 3.6	8.00 3.6	24.0 11.0	18.00 8.2
1 25	0.75 19	0.75 19	0.75 19	0.75 19	5.5 140	5.5 140	7.30 185	6.00 152	4.1 105	4.1 105	6.00 152	5.7 145	1.330 33.78	0.50 13	18.00 8.2	18.00 8.2	26.0 11.8	19.00 8.6
1 1/4 32	1.25 32	1.25 32	1.25 32	1.25 32	5.5 140	5.5 140	8.5 216	8.80 225	4.3 110	4.0 102	6.00 152	6.3 160	1.675 42.55	0.50 13	18.00 8.2	27.00 12.2	50.0 22.7	35.50 16.0
1 1/2 40	1.25 32	1.25 32	1.25 32	1.25 32	6.00 152	6.00 152	8.5 216	8.80 225	4.3 110	4.6 118	6.00 152	6.3 160	1.915 48.64	0.50 13	27.00 12.2	27.00 12.2	50.0 22.7	35.50 16.0
2 50	1.5 38	1.5 38	1.5 38	1.5 38	6.80 172	6.80 172	12.00 305	8.80 225	5.5 140	5.2 132	6.3 160	6.3 160	2.406 61.11	0.63 16	35.50 16.0	40.00 18.1	86.0 39.0	35.50 16.0

Y Type Pressure Sealing Check Dimensions and Weights (Threaded ends and welded ends)

Size NPS DN	Ø A in mm		B in mm		C in mm		Ø K in mm	L in mm	Weight lb kg	
	Piston		Piston		Piston		Socket Weld Bore	Socket Weld Depth	Piston	
	2500	4500	2500	4500	2500	4500			2500	4500
3/8 10	0.31 8	0.31 8	7.30 185	7.80 200	4.5 115	5.5 140	0.690 17.53	0.38 10	23.0 10.5	44.00 20.0
1/2 15	0.50 13	0.50 13	7.30 185	7.80 200	4.5 115	5.5 140	0.855 21.72	0.38 10	23.0 10.5	44.00 20.0
3/4 20	0.50 13	0.50 13	7.30 185	7.80 200	4.7 120	5.5 140	1.065 27.05	0.50 13	24.0 11.0	44.00 20.0
1 25	0.75 19	0.75 19	7.30 185	7.80 200	6.00 152	5.5 140	1.330 33.78	0.50 13	26.0 11.8	44.00 20.0
1 1/4 32	1.25 32	1.25 32	8.5 216	9.80 250	6.00 152	6.3 160	1.675 42.55	0.50 13	50.0 22.7	62.0 28.0
1 1/2 40	1.25 32	1.25 32	8.5 216	9.80 250	6.00 152	6.3 160	1.915 48.64	0.50 13	50.0 22.7	62.0 28.0
2 50	1.5 38	1.5 38	12.00 305	13.00 330	6.3 160	7.0 178	2.406 61.11	0.63 16	86.0 39.0	99.0 45.0

1. The constructions and dimensions of ASME Class 150, Class 300, Class 600 valves with threaded or welded ends are same with Class 800 valve.
2. The construction and dimension of Class 900 valve is same with Class 1500 valve.

Y Type Pressure Sealing



Piston Pressure Sealing Check

Pressure - Temperature Ratings

ANSI B16.34 - Classes 150, 300, 600, 1500, 2500, 4500
API - Class 800

Materials	A105 & A350-LF2							F11							F22						
Class	150	300	600	800	1500	2500	4500	150	300	600	800	1500	2500		150	300	600	800	1500	2500	4500
Temp. °F	psig														psig						
-20 to 100	285	740	1480	1975	3705	6170	11110	290	750	1500	2000	3750	6250		290	750	1500	2000	3750	6250	11250
200	260	675	1350	1800	3375	5625	10120	260	750	1500	1900	3750	6250		260	750	1500	2000	3750	6250	11250
300	230	655	1315	1750	3280	5470	9845	230	720	1455	1795	3610	6015		230	730	1455	1940	3640	6070	10925
400	200	635	1270	1690	3170	5280	9505	200	695	1385	1755	3465	5775		200	705	1410	1880	3530	5880	10585
500	170	600	1200	1595	2995	4990	8980	170	665	1330	1710	3325	5540		170	665	1330	1775	3325	5540	9965
600	140	550	1095	1460	2735	4560	8210	140	605	1210	1615	3025	5040		140	605	1210	1615	3025	5040	9070
650	125	535	1075	1430	2685	4475	8055	125	590	1175	1570	2940	4905		125	590	1175	1570	2940	4905	8825
700	110	535	1065	1420	2665	4440	7990	110	570	1135	1515	2840	4730		110	570	1135	1515	2840	4730	8515
750	95	505	1010	1345	2520	4200	7560	95	530	1065	1420	2660	4430		95	505	1065	1420	2660	4430	7970
800	80	410	825	1100	2060	3430	6170	80	510	1015	1355	2540	4230		80	530	1015	1355	2540	4230	7610
850	65	270	535	715	1340	2230	4010	65	485	975	1300	2435	4060		65	510	975	1300	2435	4060	7305
900	—	—	—	—	—	—	—	50	450	900	1200	2245	3745		50	450	900	1200	2245	3745	6740
950	—	—	—	—	—	—	—	35	320	640	1005	1595	2655		35	375	755	1005	1885	3145	5665
1000	—	—	—	—	—	—	—	20	215	430	595	1080	1800		20	260	520	695	1305	2170	3910
1050	—	—	—	—	—	—	—	20	145	290	365	720	1200		20	175	350	465	875	1455	2625
1100	—	—	—	—	—	—	—	20	95	190	225	480	800		20	110	220	295	550	915	1645
1150	—	—	—	—	—	—	—	—	60	125	140	310	515		—	70	135	180	345	570	—
1200	—	—	—	—	—	—	—	—	—	—	—	—	—		—	40	82	110	205	345	—

Materials	F51						F91							F316						
Class	150	300	600	800	1500	2500	150	300	600	800	1500	2500	4500	150	300	600	800	1500	2500	4500
Temp. °F	psig													psig						
-20 to 100	290	750	1500	2000	3750	6250	290	750	1500	2000	3750	6250	11250	275	720	1440	1920	3600	6000	10800
200	260	720	1440	1920	3600	6000	260	750	1500	2000	3750	6250	11250	235	620	1240	1655	3095	5160	9290
300	230	665	1330	1770	3325	5540	230	730	1455	1940	3640	6070	10925	215	560	1120	1495	2795	4660	8390
400	200	615	1230	1640	3070	5120	200	705	1410	1880	3530	5880	10585	195	515	1025	1370	2570	4280	7705
500	170	575	1150	1535	2880	4800	170	665	1330	1775	3325	5540	9965	170	480	955	1275	2390	3980	7165
600	140	555	1115	1480	2785	4640	140	605	1210	1615	3025	5040	9070	140	450	900	1205	2255	3760	6770
650	—	—	—	—	—	—	125	590	1175	1570	2940	4905	8825	125	445	890	1185	2220	3700	6660
700	—	—	—	—	—	—	110	570	1135	1515	2840	4730	8515	110	430	870	1160	2170	3620	6515
750	—	—	—	—	—	—	95	530	1065	1420	2660	4430	7970	95	425	855	1140	2135	3560	6410
800	—	—	—	—	—	—	80	510	1015	1355	2540	4230	7610	80	420	845	1125	2110	3520	6335
850	—	—	—	—	—	—	65	485	975	1300	2435	4060	7305	65	420	835	1115	2090	3480	6265
900	—	—	—	—	—	—	50	450	900	1200	2245	3745	6740	50	415	830	1105	2075	3460	6230
950	—	—	—	—	—	—	35	385	775	1030	1930	3220	5795	35	385	775	1030	1930	3220	5795
1000	—	—	—	—	—	—	20	365	725	970	1820	3030	5450	20	350	700	935	1750	2915	5245
1050	—	—	—	—	—	—	20	360	720	960	1800	3000	5400	20	345	685	915	1720	2865	5155
1100	—	—	—	—	—	—	20	300	605	805	1510	2515	4525	20	305	610	815	1525	2545	4575
1150	—	—	—	—	—	—	20	225	445	595	1115	1855	3345	20	235	475	630	1185	1970	3550
1200	—	—	—	—	—	—	20	145	290	385	720	1200	2160	20	185	370	495	925	1545	2775
1250	—	—	—	—	—	—	—	—	—	—	—	—	—	20	145	295	390	735	1230	2210

1. A105 permissible but not recommended for prolonged usage above about 800°F (425°C).
2. F11 and F22 permissible but not recommended for prolonged usage above about 1100°F (593°C).
3. Please contact the authorized representative or FITOK Group for Pressure - Temperature ratings of other valve material.

Part Number Description

CTSS – FNS8D – 5BYBW

Series	Body Material	Type Of Connection	Size Of Connection	Class	Wedge and Seat Material	Disc Type	Spring	Body and Bonnet Connection
CT	CS A105 LF2 LF2 LF3 LF3 22 F22 D5 F51 91 F91 92 F92 SS F316 6L F316L S4 F304 S1 F321 M Monel (Alloy 400)	PS Pipe Socket Weld PB Pipe Butt Weld FNS Female NPT FRP Female BSPP FRT Female BSPT FF Smoth Finish Flat Face Flanged RF Smoth Finish Raised Face Flanged RFS Spiral Finish Raised Face Flanged RJ Ring Type Joint Flanged	4 1/4 (DN8) 6 3/8 (DN10) 8 1/2 (DN15) 12 3/4 (DN20) 16 1 (DN25) 20 1 1/4 (DN32) 24 1 1/2 (DN40) 32 2 (DN50)	A 150 CL B 300 CL C 600 CL D 800 CL E 900 CL F 1500 CL G 2500 CL H 4500 CL PN16 1.6 Mpa PN20 2.0 MPa PN25 2.5 MPa PN40 4.0 MPa PN50 5.0 Mpa PN63 6.3 MPa PN100 10 MPa PN110 11 Mpa PN150 15 Mpa PN260 26 Mpa PN420 42 MPa X Special	Symbol / Disc Surface / Seat Surface Standard 1 13%Cr / 13%Cr 2 18%Cr, 8%Ni / 18%Cr, 8%Ni 5 Stellite / Stellite 8 13%Cr / Stellite 9 Monel / Monel 10 18%Cr, 8%Ni / 18%Cr, 8%Ni 12 18%Cr, 8%Ni / Stellite 13 Alloy 20 19%Cr, 29%Ni / Alloy 20 19%Cr, 29%Ni	Piston B Ball S Swing	No Y Yes	Bolted Bonnet BW Welded Bonnet PS Pressure Sealing YW Y Type Welded Bonnet YP Y Type Pressure Sealing

1. Class 800 should be selected for Class 150, Class 300, Class 600 Check valves with threaded or welded ends.
2. Class 1500 should be selected for Class 900 Check valves.

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.