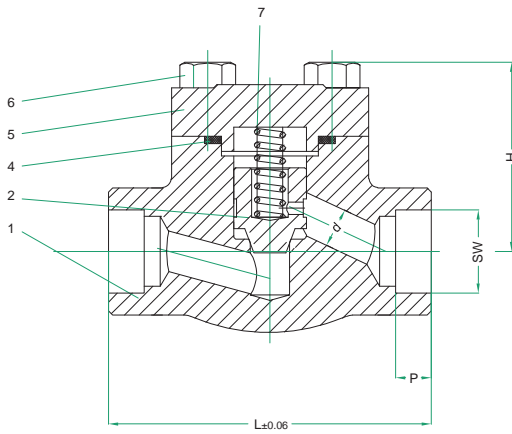


Features / Design

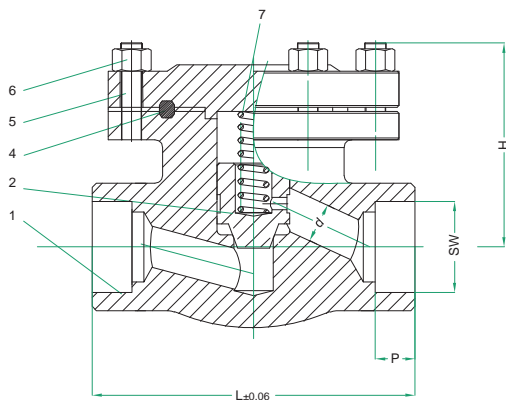


- 1.- Piston / Swing Check Valves.
- 2.- Sizes 1/2" to 2", Class 800# to 2500#.
- 3.- Basic design API 602 & ANSI B16.34.
- 4.- Threaded ends according to ANSI B1.20.1.
- 5.- Socket Weld ends according to ANSI B16.11.
- 6.- Butt Weld ends according to ANSI B16.25.
- 7.- Flanged ands ANSI B16.5 (welded).
- 8.- Face to face dimensions acc. to MFG.
- 9.- Inspection & Testing API 598.

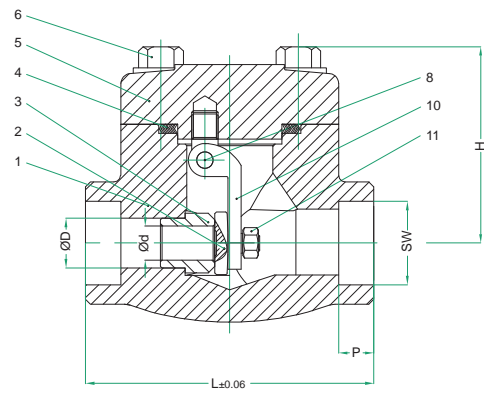
For ASME 800# / 1500#



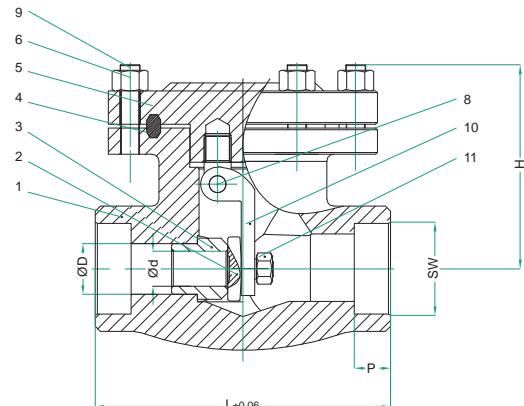
For ASME 2500#



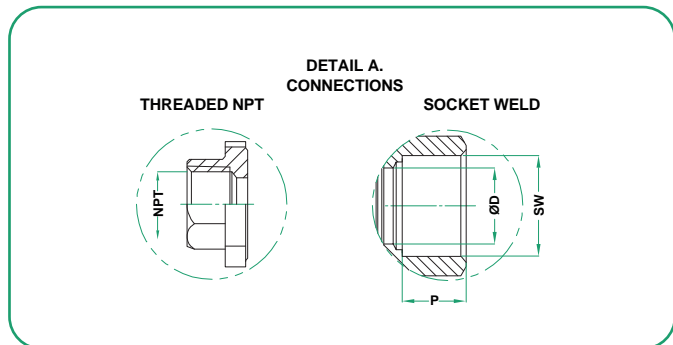
For ASME 800# / 1500#



For ASME 2500#



Material List



NO.	DESCRIPTION	MATERIAL	
		TRIM 8	TRIM 10
1	BODY	A105N	A182 F316
2	DISC	A182 F6a	A182 F316
3	SEAT	A182 F6a + STL 6#	A182 F316
4	GASKET	SS304 + GRAPHITE	SS316 + GRAPHITE
5	COVER	A105N	A182 F316
6	BOLT	A193 B7M	A193 B8M
7	SPRING	SS 304	SS 316
8	PIN	A182 F316	A182 F316
9	NUT	A194 2HM	A194 8M
10	HINGE	SS 316	SS 316
11	NUT	A194 2HM	A194 8M

NOTE: Material list as example TRIM 8 and 10 acc. to NACE MR0175, other materials and trims available; please contact us.

Dimensions (inches)

Piston Check Valve - ANSI CLASS 800#, 1500# & 2500#

SIZE	L (in)			NPT (in)	SW (in)	P MIN (in)	Ød (in)			H ⁽¹⁾ (in)			CV (USGpm)			Weigth (lb)			MINIMUM OPEN PRESSURE (psi)		
	800#	1500#	2500#				800#	1500#	2500#	800#	1500#	800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	
1/2"	3.110	3.622	5.512	1/2"	0.866±0.008	0.374	0.394	0.394	0.406	2.441	2.480	2.000	2.000	2.000	3.527	3.307	17.637	43.511	43.511	87.023	
3/4"	3.622	4.370	5.512	3/4"	1.078±0.008	0.492	0.512	0.512	0.531	2.480	3.071	4.000	4.000	4.000	3.748	5.732	17.637	43.511	43.511	87.023	
1"	4.370	4.724	7.874	1"	1.342±0.008	0.492	0.669	0.669	0.669	2.835	3.228	6.000	6.000	6.000	5.732	8.598	17.637	43.511	43.511	87.023	
1 1/4"	/	5.984	7.874	1 1/4"	1.689±0.008	0.492	/	0.866	0.866	/	4.016	10.000	10.000	10.000	/	12.125	*	43.511	43.511	87.023	
1 1/2"	5.984	6.772	7.874	1 1/2"	1.929±0.008	0.492	1.102	1.063	1.063	3.622	4.724	15.000	15.000	15.000	11.905	20.062	*	43.511	43.511	87.023	
2"	6.772	8.661	8.661	2"	2.419±0.010	0.630	1.417	1.299	1.299	4.488	5.512	23.000	23.000	23.000	19.401	35.274	*	43.511	43.511	87.023	

Swing Check Valve - ANSI CLASS 800#, 1500# & 2500#

SIZE	L (in)			NPT (in)	SW (in)	P MIN (in)	Ød (in)			ØD (in)			H ⁽¹⁾ (in)	CV (USGpm)			Weigth (lb)			MINIMUM OPEN PRESSURE (psi)			
	800#	1500#	2500#				800#	1500#	2500#	800#	1500#	2500#		800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	
1/2"	3.110	3.622	5.512	1/2"	0.866±0.008	0.374	0.394	0.394	0.406	0.591	0.591	0.591	2.480	2.638	10.000	10.000	10.000	3.307	3.307	17.637	43.511	43.511	58.015
3/4"	3.622	4.370	5.512	3/4"	1.078±0.008	0.492	0.512	0.512	0.531	0.669	0.669	0.669	2.480	3.228	17.000	17.000	17.000	3.527	5.732	17.637	43.511	43.511	58.015
1"	4.370	4.724	7.874	1"	1.342±0.008	0.492	0.669	0.669	0.669	0.866	0.866	0.866	3.228	3.425	33.000	33.000	33.000	6.173	8.598	17.637	43.511	43.511	58.015
1 1/4"	/	4.724	7.874	1 1/4"	1.689±0.008	0.492	/	0.866	0.866	/	1.102	1.102	/	4.173	50.000	50.000	50.000	/	12.125	*	43.511	43.511	58.015
1 1/2"	4.724	5.512	7.874	1 1/2"	1.929±0.008	0.492	1.102	1.063	1.063	1.378	1.378	1.378	3.622	4.843	87.000	87.000	87.000	8.818	20.062	*	43.511	43.511	58.015
2"	5.512	7.008	8.661	2"	2.419±0.010	0.630	1.417	1.299	1.299	1.654	1.654	1.654	4.488	5.512	134.000	134.000	134.000	14.771	35.274	*	43.511	43.511	58.015

NOTE:

* Please consult with manufacturer.

(1) Height of the center of the port to the cover nut for ASME Class 2500# please check with supplier.



How to Order

BODY DESIGN (SERIES)	BONNET DESIGN	DISC DESIGN	SPECIAL FEATURES	MATERIAL		ENDS	CLASS	SIZE		OPERATION
				BODY	TRIM*					
72 Check Valve API 602	B Bolted Bonnet	W Swing Check	None None	20 A105	01 Obsolete	F Flanged RF ⁽¹⁾	0 ANSI 150#	0.5	1/2"	None
			6D API 6D	22 A350 LF2	02 Obsolete		3 ANSI 300#	0.75	3/4"	
			N NACE	23 A350 LF3	03 310SS		6 ANSI 600#	01	1"	
	W Welded Bonnet	I Piston Pressure Check	ND NACE / API 6D	24 A182 F1	05 13CR / HF / HF	R Flanged RTJ ⁽¹⁾	8 API 800#	01.25	1 1/4"	
			F Fire Safe	25 A182 F11 CL2	06 13CR /13 CR / CuNi		6 ANSI 600#	01	1"	
			O Oxigen Service	26 A182 F22 CL3	08 13CR / 13 CR / HF		8 API 800#	01.5	1 1/2"	
	P Pressure Seal	T Piston Spring Check	FP Full Port	27 A182 F5	09 Monel	T Threaded	1 ANSI 1500#	02	2"	
			B Ball Spring Check	28 A182 F9	10 316SS		2 ANSI 2500#			
			G Fire Safe / NACE	30 A182 F316	11 Monel / Monel/HF					
				31 A182 F316L	12 316SS / 316SS / HF	S Socket Weld				
				32 A182 F304	13 CN7M		B ButtWeld			
				33 A182 F304L	14 CN7M / CN7M/HF			M 2 difierent ends (to be specified)		
				40 Monel	15 A105 /HF / HF					
				41 182 F20	16 SS316+HF / SS316+HF / SS316+HF					
				42 Hastelloy	17 316L SS					
				43 A182 F321						
				44 A182 F347						

Example:

Piston Check Valve API 602, Bolted Cover, Body A105, Trim 5,
Flanged RF ANSI Class 150#, Size 2".

72BI2005F002

NOTES:

* HF = Hard Faced, usually Stellite 6; other upon request.

(1) Flanged valves are flange welded (non integral body), available from 150# to 600#.

