



FORGED STEEL CHECK VALVES – ANSI CLASS 150~800

DESIGN DESCRIPTION:

- BOLTED COVER
- LIFT TYPE

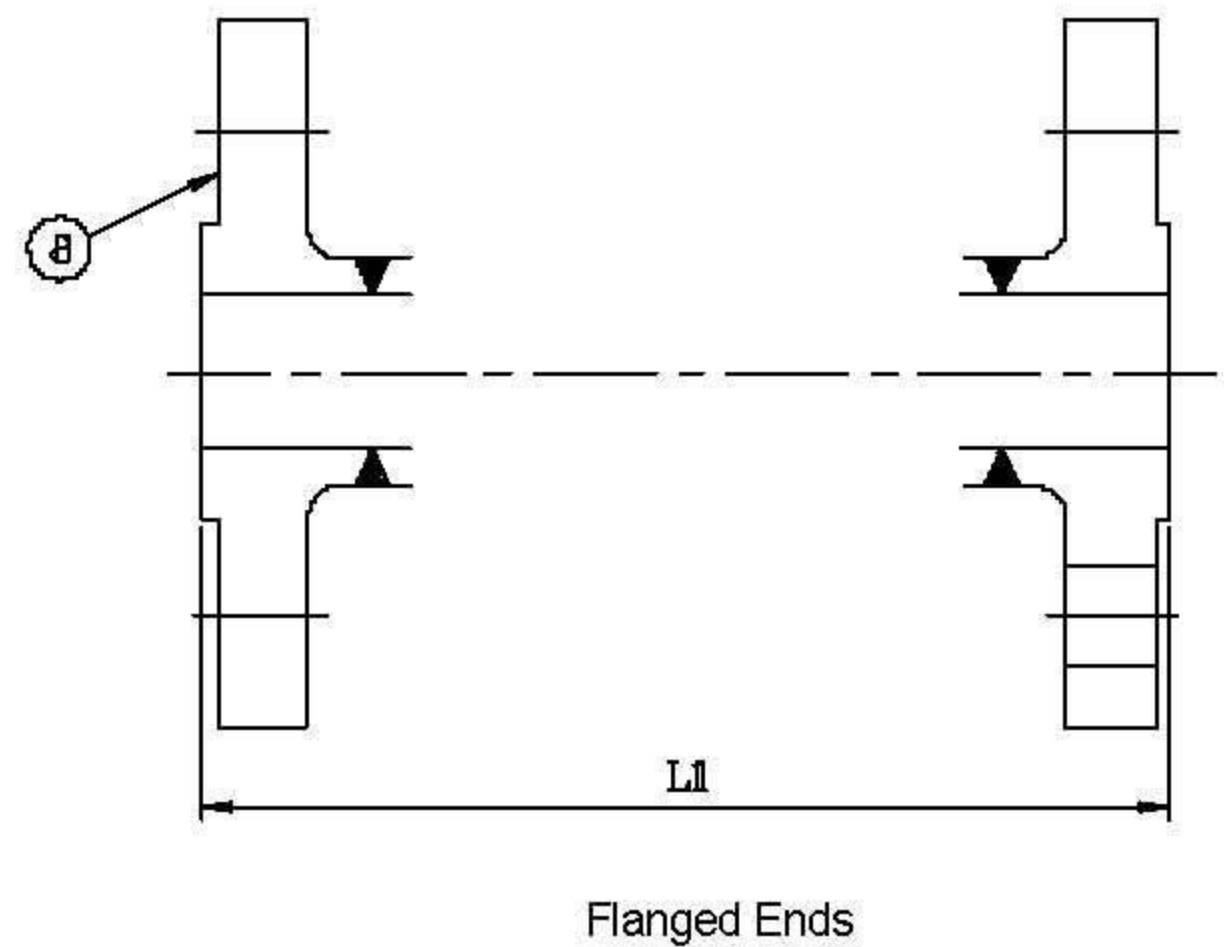
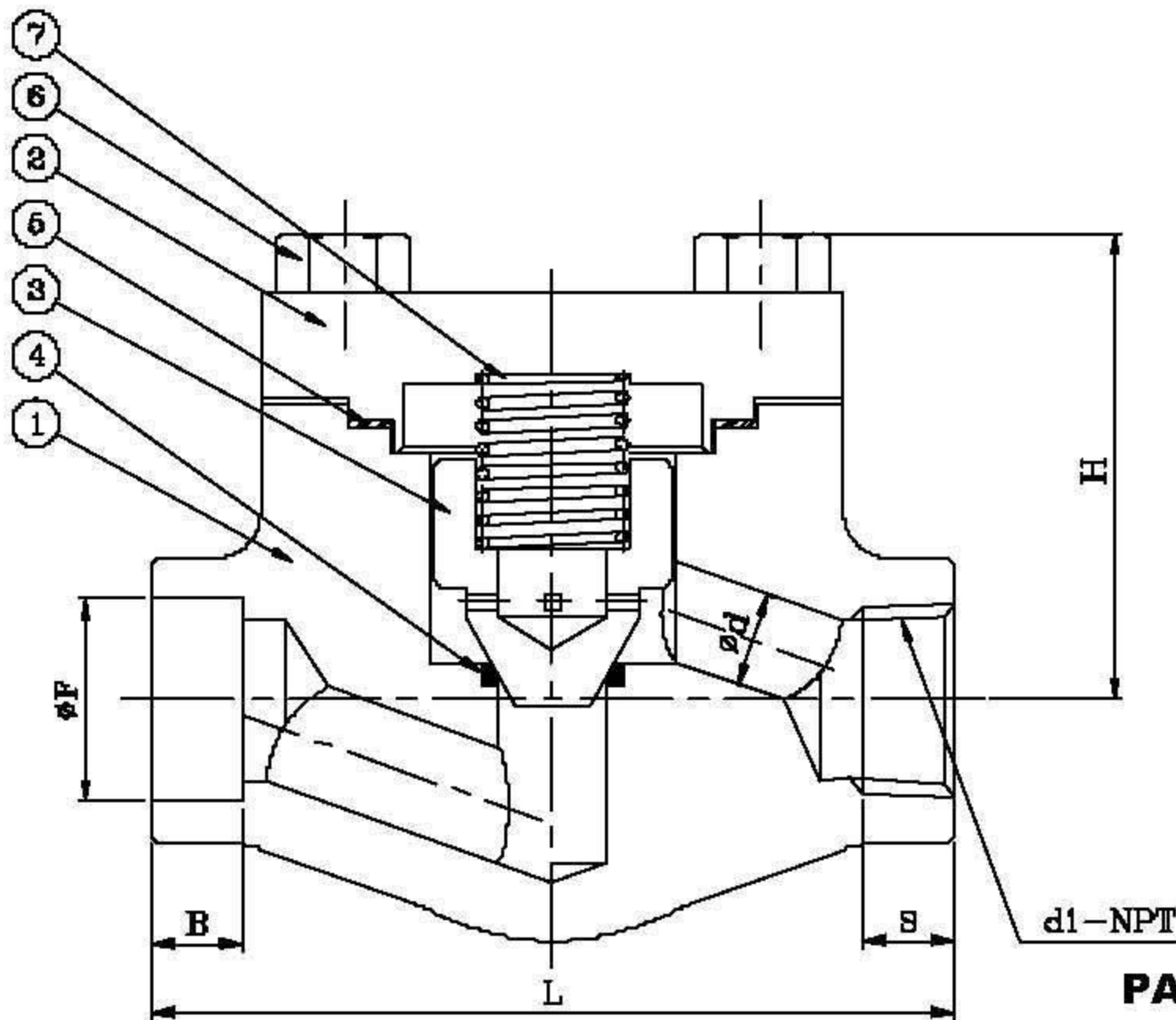
APPLICABLE STANDARDS:

- DESIGN PER API 602
- SOCKET WELD AND THREADED END PER ANSI B16.11
- PIPE THREADS PER ANSI B1.20.1
- FLANGED END PER ANSI B16.5
- INSPECTON AND TEST PER API 598

SOCKET WELD ENDS

SCREWED ENDS

FLANGED ENDS



TEST PRESSURE TO API 598

PSIG

CLASS	SHELL TEST (water)	SEAT TEST (water)	SEAT TEST (air)
150	450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)
300	1125 (79 kg/cm ²)	814 (57 kg/cm ²)	80 (6 kg/cm ²)
600	2225 (156 kg/cm ²)	1628 (114 kg/cm ²)	80 (6 kg/cm ²)
800	3000 (210 kg/cm ²)	2200 (154 kg/cm ²)	80 (6 kg/cm ²)

PARTS AND MATERIAL (ASTM)

NO.	PARTS NAME	MATERIALS
		A105
1	Body	A105
2	Cover	A105
3	Disc	A276-410
4	Seat	A276-410+H/F STL#6
5	Gasket	Grafoil + 304 Spiralwound
6	Cover Bolt	A193-B7
7	Spring	SUS 304
8	Flange	A105

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

DIMENSION TABLE:

DN	NPS	Ø d	L	L1			H	SOCKET WELD		SCREWED		WT.(Kg) SW/ NPT
				150#	300#	600#		ØF	B	d1	S	
15	1/2	10	79	108	152	165	48	22	10	1/2" NPT	13.5	1.3
20	3/4	14	92	118	178	191	48	27	13	3/4" NPT	14.0	1.6
25	1	18	111	127	203	216	63	34	13	1" NPT	17.5	2.9
40	1 1/2	28	152	165	229	241	85	49	13	1 1/2"	18.5	6
50	2	34	172	203	267	292	104	61	16	2" NPT	19.0	9.7