

FORGED STEEL CHECK VALVE

CLASS 150 / 300 / 600 / 800

**TYPE FH407-FS (NPT/SW)
 FH417-FS (FLANGED)**

DESIGN DESCRIPTION

Bolted Cap
 Piston Type
 Spring Loaded
 Integral Seat
 Screwed Ends
 Socket Weld Ends

APPLICABLE STANDARDS

Steel Valves, ANSI B16.34
 Screwed Ends, ANSI B1.20.1
 Socket Weld Ends, ANSI B16.11

TEST PRESSURE

Class	Shell Test (Water)	Seat Test (Water)
150	450 (32 kg/cm ²)	314 (22 kg/cm ²)
300	1125 (79 kg/cm ²)	814 (57 kg/cm ²)
600	2225 (158 kg/cm ²)	1628 (114 kg/cm ²)
800	3000 (211kg/cm ²)	2200 (154 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials				
		A105	F304	F316	F11	F22
1	Body	A105	A182-F304	A182-F316	A182-F11	A182-F22
2	Seat Facing	Stellite #6	Stellite #6	Stellite #6	Stellite #6	Stellite #6
3	Disc	A276-420J2	A276-304	A276-316	A276-420J2	A276-420J2
4	Name Plate	A666-304	A666-304	A666-304	A666-304	A666-304
5	Cap Gasket	304 +GRAPHITE	304 +GRAPHITE	316 +GRAPHITE	304 +GRAPHITE	304 +GRAPHITE
6	Cap	A105	A182-F304	A182-F316	A182-F11	A182-F22
7	Cap Bolt	A193-B7	A193-B8	A193-B8	A193-B16	A193-B16
8	Spring	SUS304	SUS304	SUS316	SUS304	SUS304
9	Name Plate Screw	A666-304	A666-304	A666-304	A666-304	A666-304
10	Flange	A105	A182-F304	A182-F316	A182-F11	A182-F22

DIMENSION

Size		A	B	C	d	H	S	L	L1			Wt	
A (mm)	B (inch)	ANSI	JIS						150 LB	300 LB	600 LB	(kg)	
15	½	34	21.84	22.2	9.6	9.5	59	½	79	108	152	165	1.6
20	¾	40	27.18	27.7	12.7	13	59	¾	92	118	178	190	1.7
25	1	48	33.91	34.5	12.7	17.5	73	1	111	127	203	216	2.5
40	1½	65	48.77	49.1	12.7	30	101	1½	152	165	229	241	5.9
50	2	80	61.24	61.1	15.9	38.1	120.5	2	172	203	267	292	8.7

