

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 600/800/1500 FOR FORGED CARBON STEEL OR STAINLESS STEEL CHECK VALVE BOLTED BONNET DESIGN

MODEL NO: FCAXTH-LF



LIFT CHECK VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 600	1/2"	2"
CLASS 800	1/2"	2"
CLASS 1500	1/2"	2"

DESIGN DESCRIPTION:

- * LIFT TYPE; BOLTED COVER;
- * OPTIONAL: WELD COVER;
- * SPRING LOADED DISC OR PISTON DISC;
- * CONNECTRION: THREADED END, SOCKETED END
- * THREAD TYPE(NPT, BSPT, DIN ENDS)
- * MATERIAL: A105, F304, F316, F11, F22, F304L, F316L

WORKING PRESSURE AND TEMPERATURE:

WORKING TEMPERATURE		
MATERIAL	CELSIUR SCALE	FAHRENHEIT
CARBON STEEL	-29 ⁰ C~425 ⁰ C	6 ⁰ F~822 ⁰ F
STAINLESS STEEL	-40 ⁰ C~550 ⁰ C	15 ⁰ F~1047 ⁰ F

GENERAL DESIGN SPECIFICATIONS:

ITEM	CLASS 600	CLASS 800	CLASS 1500
MANUFACTURE	API 602	API 602	API 602
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34	ANSI B16.34	ANSI B16.34
END TO END	ANSI B16.10	ANSI B16.10	ANSI B16.10
INSPECTION AND TEST	API 598		

TEST PRESSURE TO API598:

ANSI	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)	
CLASS 600	15.3MPA	2225PSI	11.2MPA	1630PSI	0.6MPA	80PSI
CLASS 800	21MPA	3000PSI	15.4MPA	2200PSI	0.6MPA	80PSI
CLASS 1500	38.7MPA	5500PSI	28.1MPA	4000PSI	0.6MPA	80PSI

TRIMS SPECITIED DUE TO TABLE 3:

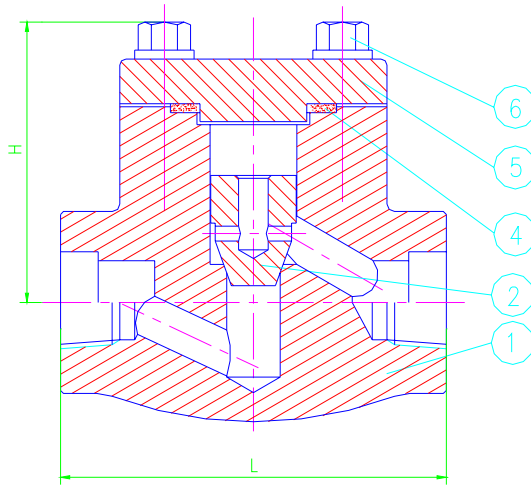
DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE PART
F6	F6
STELLITE	STELILITE
F6	STELILITE
F304	F304
F316	F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

PARTS AND MATERIAL (ASTM):

NO.	PARTS NAME	MATERIALS				
1	BODY	ASTM A105	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
4	GASKET	GRAPHITE+304			GRAPHITE+316	
5	CAP	ASTM A105	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
6	CAP BLOT	ASTM A193 B7	ASTM A193 B8			

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:MM):

CLASS 600

DN		SIZE		D	H	L	WT (KG)
STD	FULL	STD	FULL				
15	10	1/2"	3/8"	10	61	79	1.2
20	15	3/4"	1/2"	13	61	92	1.4
25	20	1"	3/4"	17.5	78	111	2.3
32	25	1-1/4"	1"	23	84	120	3.9
40	32	1-1/2"	1-1/4"	30	103	120	5.6
50	40	2"	1-1/2"	35	118	140	8.9
	50		2"	46	132	178	12.5

CLASS 800

DN		SIZE		D	H	L	WT (KG)
STD	FULL	STD	FULL				
15	10	1/2"	3/8"	10	61	79	1.2
20	15	3/4"	1/2"	13	61	92	1.4
25	20	1"	3/4"	17.5	78	111	2.3
32	25	1-1/4"	1"	23	84	120	3.9
40	32	1-1/2"	1-1/4"	30	103	120	5.6
50	40	2"	1-1/2"	35	118	140	8.9
	50		2"	46	132	178	12.5

CLASS 1500

DN		SIZE		D	H	L	WT (KG)
STD	FULL	STD	FULL				
15	10	1/2"	3/8"	10	41	111	2.1
20	15	3/4"	1/2"	13	68	111	2.3
25	20	1"	3/4"	17	81	130	3.6
32	25	1-1/4"	1"	23	101	152	7.9
40	32	1-1/2"	1-1/4"	30	108	172	9.8
50	40	2"	1-1/2"	38	108	220	9.8

Notice: STD IS STANDARD PORT; FULL IS FULL PORT.

*** We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency**



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