

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 600/900/1500 FOR FORGED CARBON STEEL OR STAINLESS STEEL CHECK VALVE BOLTED BONNET DESIGN

MODEL NO: FCAXRF-LF



LIFT CHECK VALVE PRODUCT'S SIZE:

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

DESIGN DESCRIPTION:

- * LIFT TYPE; BOLTED COVER;
- * OPTIONAL: WELD COVER;
- * SPRING LOADED DISC OR PISTON DISC;
- * CONNECTION: FLANGED ENDS OR BUTT-WELDING 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
MANUFACTURE	API 602
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ANSI B 16.10
END FLANGE	MSS SP-25
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:

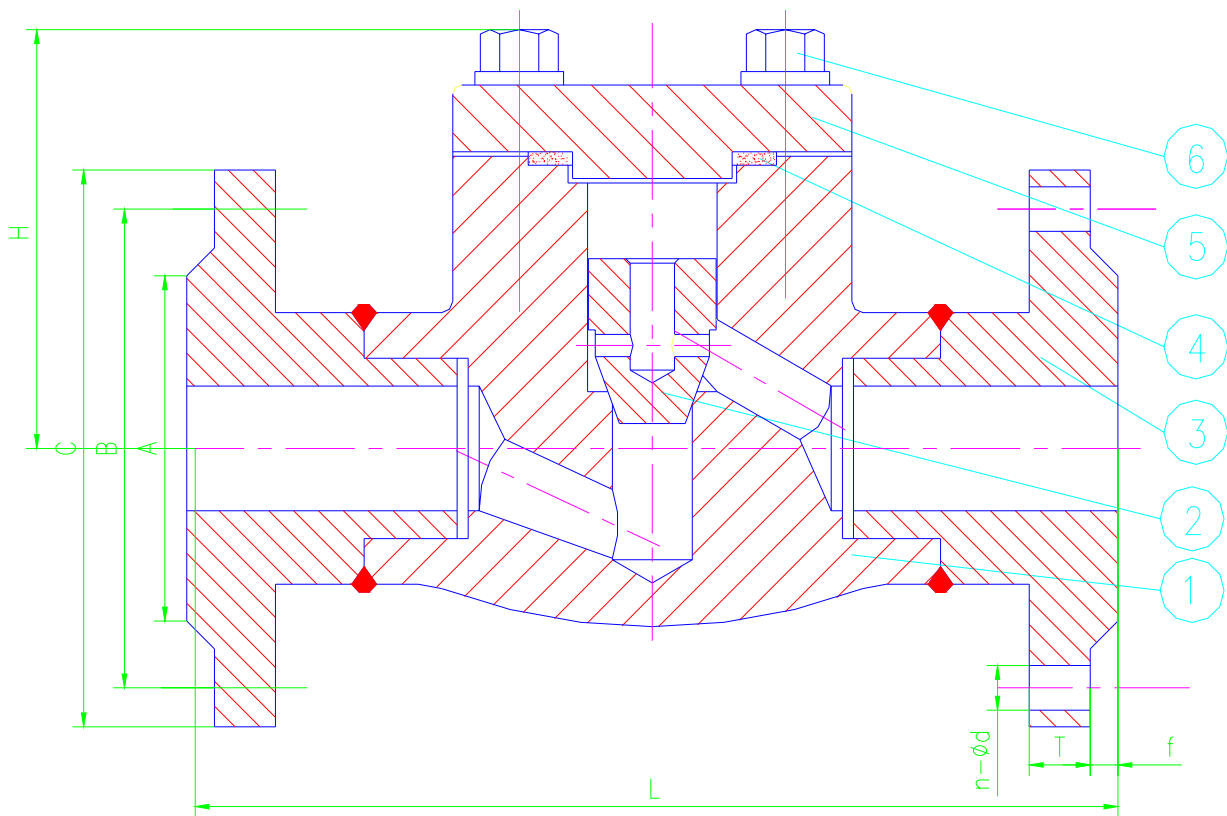
DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE PART
F6	F6
STELLITE	STELILITE
F6	STELILITE
F304	F304
F316	F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

PARTS AND MATERIAL (ASTM)

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

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DIMENSIONS LIST(UNIT:MM):

DN	SIZE	H		L	A	B	C	T	f	n-φd	WT (LBS)	
		STD	FULL								STD	FULL
8	1/4"	61	61	165	35	66.5	95	14.5	6.4	4-16	3	4
10	3/8"	61	61	165	35	66.5	95	14.5	6.4	4-16	3	4
15	1/2"	61	61	190	35	66.5	95	14.5	6.4	4-16	3	4
20	3/4"	61	78	127	43	82.5	118	16	6.4	4-19	4	5.83
25	1"	78	84	216	51	89.	124	17.5	6.4	4-19	5.83	9.47
32	1-1/4"	84	103	229	63	98.5	133	21	6.4	4-19	9.47	10.10
40	1-1/2"	103	118	241	73	114.5	156	22.5	6.4	4-22.5	10.10	15.61
50	2"	118	132	292	92	127	165	25.5	6.4	8-19	15.61	24.6

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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