

SHANGHAI CIPHY INDUSTRY CO.,LTD.

DIN PN16/25/40/64 FOR FORGED CARBON STEEL OR STAINLESS STEEL CHECK VALVE BOLTED BONNET DESIGN

MODEL NO: FCAXRF-SW

CHECK VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
PN40	1/2"	2"



DESIGN DESCRIPTION:

- * **Swing TYPE;**
- * **BOLTED COVER;**
- * **OPTIONAL: WELD COVER;**
- * **SPRING LOADED DISC OR PISTON DISC;**
- * **CONNECTION: FLANGED ENDS**
- * **WELDING FLANGED 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	PN16/25/40/64
MANUFACTURE	API 602
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ANSI B 16.10
END FLANGE	DIN 2545
INSPECTION AND TEST	DIN 3320

TEST PRESSURE TO DIN3320:

DIN	SHELL (WATER)	SEAT (WATER)	SEAT (AIR)
PN16	2.4MPa	1.76 MPa	0.8MPa
PN25	3.75MPa	2.75MPa	0.8MPa
PN40	6.00MPa	4.40MPa	0.8MPa
PN64	9.60MPa	7.04MPa	0.8MPa

TRIMS SPECIFIED DUE TO TABLE 3:

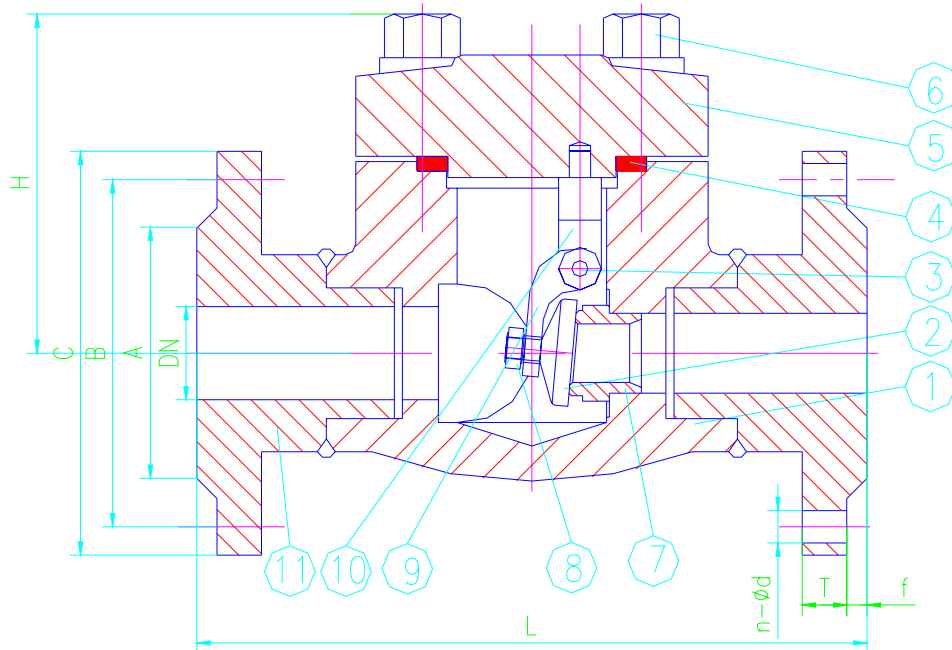
DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE PART No. 7	STEM PART No. 3
F6	F6	F6
STELLITE	STELLITE	F6
F6	STELLITE	F6
F304	F304	F304
F316	F316	F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

PARTS AND MATERIAL (ASTM)

NO.	PARTS NAME	MATERIALS		
1	BODY	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	
8	DISC NUT	ASTM A193 B7	ASTM A193 B8	
9	SWING ARM	STAINLESS STEEL		
10	SWING ARM	STAINLESS STEEL		
11	WELDED FLANGE	ASTM A105	ASTM F304	ASTM F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**DIMENSIONS LIST-PN40(UNIT:MM):**

DN	SIZE	H		L	A	B	C	T	f	n-φd	WT (LBS)	
		STD	FULL								STD	FULL
10	3/8"	61	61	130	40	60	90	14	2	4-14	3	4
15	1/2"	61	61	130	45	65	95	14	2	4-14	3	4
20	3/4"	61	78	150	58	75	105	16	2	4-14	4	5.83
25	1"	78	84	160	68	85	115	16	2	4-14	5.83	9.47
32	1-1/4"	84	103	180	78	100	140	18	2	4-18	9.47	10.10
40	1-1/2"	103	118	200	88	110	150	15	3	4-18	10.10	15.61
50	2"	118	132	230	102	125	165	17	3	4-18	15.61	24.6

Notice:

1\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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