

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 150/300

CARBON STEEL OR STAINLESS STEEL

V-PORT BALL VALVE WAFER TYPE

MODEL NO: SLAXWF-VP



BALL VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 150	1"	10"
CLASS 300	1"	10"

DESIGN DESCRIPTION:

- * BOLTED CAP,
- * V-PORT
- * CONNCTRION: WAFER
- * SOFT SEAL, AVAILABLE METAL SEAL.

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 150/300
MANUFACTURE	FACTORY STD
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	FACTORY STD
END FLANGE	ANSI B16.5
INSPECTION AND TEST	API 598

TEST PRESSURE TO API 598:

ANSI	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)	
150	3.1MPA	450PSI	2.2MPA	315PSI	2.2MPA	315PSI
300	7.8MPA	1125PSI	5.6MPA	815PSI	5.6MPA	815PSI

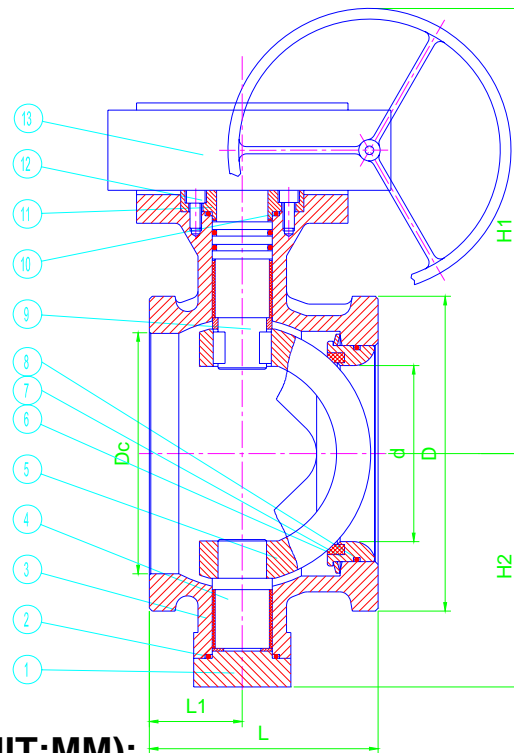
RELATION BETWEEN CORRESPONDING OPEN AND FLOW COEFFICIENT Cv:

SIZE		RELATIVE OPEN DEGREE					
		10%	30%	50%	70%	90%	100%
DN	INCH	FLOW VOLUME COEFFICIENT Cv					
25	1	0.5	2	5.2	10	19	28
40	1-1/2	1.2	5.7	15	30	54	81
50	2	1.9	8.8	23	46	83	125
65	2-1/2	3.2	14	39	76	138	208
80	3	4.4	20	54	106	192	290
100	4	7	33	86	170	308	465
125	5	10	46	122	240	436	658
150	6	13	60	157	310	564	850
200	8	21	97	255	503	915	1380
250	10	33	152	401	792	1440	2170

PARTS AND MATERIAL (ASTM):

NO.	PARTS NAME	MATERIALS				
1	LOWER CAP	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
2	GASKET	RPTFE/GRAPHITE				
3	BODY	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
4	LOWER STEM	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
5	V BALL	ASTM A105+ENP	A182-F304	A182-F316	A182-F304L	A182-F316L
6	SEAT SEAL RING	PTFE/RPTFE/NYLON				
7	METAL SEAT	A105+ENP	F304	F316	F304L	F316L
8	O-RING	EPDM/NBR/VITON				
9	STEM	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
10	O-RING	EPDM/NBR/VITON				
11	COMPRESSION PLATE	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
12	CAP STUD	ASTM A193 B7	ASTM A193 B8M			
13	GEAR	DUCTILE IRON				

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.


DIMENSIONS LIST(UNIT:MM):

CLASS 150									
DN	INCH	L	L1	d	D	Dc	H	H1	WEIGHT(kg)
25	1	50	25	19	65	38	200	57	8
40	1-1/2	60	25	32	84	49	205	63	10
50	2	75	32	38	103	60	225	92	14
65	2-1/2	85	38	51	122	75	235	100	18
80	3	100	45	64	135	89	260	108	22
100	4	115	50	76	173	113	270	117	30
125	5	135	55	102	195	140	320	140	39
150	6	160	65	127	220	164	340	177	52
200	8	200	80	152	277	205	390	200	68
250	10	240	92	203	337	259	420	252	95
CLASS 300									
25	1	50	25	19	72	38	200	57	9
40	1-1/2	60	25	32	94	49	205	63	12
50	2	75	32	38	110	60	225	92	16
65	2-1/2	85	38	51	128	75	235	100	20
80	3	100	45	64	147	89	260	108	25
100	4	115	50	76	179	113	270	117	30
125	5	135	55	102	214	140	320	140	45
150	6	160	65	127	249	164	340	177	60
200	8	200	80	152	305	205	390	200	80
250	10	240	92	203	359	259	420	252	110

*** 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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