



HYDROSTATIC TESTING		
WORKING PRESSURE	10 bar	
DISC TESTING	10 bar	5 min
BODY TESTING	20 bar	10 min

ØDN	FLANGE DIMENSIONS (TIS 382-2531PN110)										ISO. 5211 FLANGE MOUNTING									
	ØD	ØK	ØD1	C7	f1	ØL2	n	Type	QA	QB	QC	n	e	ØF	ØS	L	TORQUE (N.m)	H	B	B1
80	200	160	133	19	19	19	8	F10	125	102	12	4	10	74	13	114	18.6	280	120	60
100	220	180	158	21	19	19	8	F10	125	102	12	4	10	94	16	127	27.96	290	120	60
150	285	240	212	23	23	23	8	F10	125	102	12	4	11	144	26	140	83.65	370	120	60
200	340	295	268	23	23	23	8	F10	125	102	12	4	12	180	29	152	159.12	340	120	60
250	395	350	320	25	25	25	12	F12	150	125	14	4	14	230	35	165	285.19	440	140	90
300	445	400	370	25	25	25	12	F12	150	125	14	4	15	280	39	178	467.67	465	140	90
400	565	515	482	28	28	28	16	F14	175	140	18	4	17	375	51	216	1064.89	395	280	180

COATING		INTERIOR	EXTERIOR
		Liquid Epoxy (blue)	Non-Bleeding (dark grey)
		>200 micr	>200 micr
MATERIAL	MECHANICAL PROPERTIES		
	MIN. ULTIMATE STRESS (MPa)	MIN. YIELD STRESS (MPa)	MIN. % ELONGATION
CAST IRON	210	-	-
BRONZE	210	95	15
STAINLESS STEEL	510	205	30
15 GEAR BOX	-		
14 GEAR BOX BOLTS	CABON STEEL	TIS. 171	
13 END PLATE SEAL	RUBBER(NBR)	-	
12 SHAFT SEAL O-RING	RUBBER(NBR)	BS. 2494	
11 DISC SEAL	-		
10 DISC RETAINER BOLTS	-		
9 SHAFT PIN	STAINLESS STEEL	TIS 382	
8 SHAFT	-		
7 GLAND	-		
6 SHAFT BUSH	BRONZE	TIS 382	
5 DISC SEAL RETAINER	-		
4 BODY SEAT RING	-		
3 END PLATE	-		
2 DISC	CAST IRON	TIS 382	
1 BODY	-		
NO.	PART NAME	MATERIAL	DESIGN TIC



**CHAIPONG ENGINEERING CO.**

PROJECT : GENARAL

TITLE : Assembly Butterfly Valve W117N 80-400 I

DRAWN BY : Boonsathuk SCALE : No Scale

DESIGNER : Boonsathuk DATE : 19-06-2012

CHECKER : DRAWNING NO. CPE-BV80-400-0

APPROVER :