



VALVE SIZE (mm's)	OPERATOR MODEL	D	E	F	G	H	K	L	M	N
100mm	65	51	90	87	76	197	89	57	35	16 1/2
150mm	150	51	90	87	76	197	89	57	35	16 1/2
200mm	250	52	94	103	98	222	114	60	51	24
250mm & 300mm	510	57	114	138	132	256	156	70	76	36
350,400,450 & 500	1250	81	146	213	178	313	200	83	102	48
600mm	2200	81	159	264	229	363	273	98	152	72

VALVE SIZE	A	B	C	J	P	Q	R	S	T	V	*WEIGHT
100	NOTE AA	138	191	64	4	3/4x3 1/2	232	25	324	126	37
150	NOTE AA	165	241	73	6	3/4x3 1/2	283	27	330	179	46
200	NOTE AA	192	298	76	6	3/4x4	333	29	356	232	68
250	NOTE AA	244	356	108	8	3/4x4	399	30	384	884	110
300	NOTE AA	289	413	108	8	3/4x4	455	33	406	338	141
350	NOTE AA	313	476	133	10	3/4x4	516	33	448	392	232
400	NOTE AA	373	533	133	12	3/4x4 1/2	573	35	470	446	271
450	NOTE AA	402	591	156	12	3/4x4 1/2	630	36	489	423	346
500	NOTE AA	441	648	156	14	3/4x4 1/2	687	38	486	552	402
600	NOTE AA	511	762	191	16	3/4x5	802	41	540	659	541

NOTE 1: FLOW MAY BE IN EITHER DIRECTION

NOTE 2: VALVE SHAFT WILL MEET OR EXCEED REQUIREMENTS OF SHAFT TABLE PER AWWA STANDARD C-504 FOR APPLICABLE CLASS.

NOTE 3: REFERENCE AWWA C-111 (A.N.S.I. A21-11)

NOTE 4: "N" = NUMBER OF TURNS TO CLOSE

NOTE 5: "P" = NUMBER OF BOLTS ON EACH FLANGE

NOTE 6: "Q" = DIAMETER OF BOLTS

NOTE 7: OPERATED BY 50mm AWWA OPERATING / WRENCH NUT

NOTE 8: GASKET, GLANDS, BOLTS, FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

NOTE 9: MAXIMUM LENGTH OF TORQUE TUBE (4572mm)--BONNET SUPPORTS SHOULD BE USED ON ALL BONNETS EXCEEDING 1829mm CENTERLINE OF VALVE TO CENTERLINE OF OPERATOR. ALL BONNET SUPPORTS SHALL BE SUPPLIED BY CUSTOMER

NOTE AA: "A" VARIES TO ENGINEER SPECIFICATIONS

*NOTE AB: WEIGHT PER EACH FOOT OF EXTENDED BONNET 57kg(100mm-300mm), 68kg(350mm - 400mm), 82kg(450mm - 600mm)

PROJECT
OWNER
CONTRACTOR
DISTRIBUTOR
CONSULTANT

CLOW CANADA	100mm - 600mm STYLE 4500 CLASS 150 BUTTERFLY VALVE WITH EXTENDED BONNET, BURIED OPERATOR MJ X MJ	DWG. NO. BMJ-15-45D
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