



AA=NO. OF TAPPED HOLES EACH FLANGE  
 AB=SIZE OF TAPPED HOLES  
 S=DEPTH OF TAPPED HOLES

VALVE SIZE (mm's)	OPERATOR MODEL	D	E	F	G	H	K	L	M	N
75mm & 100mm	65	74	90	87	190	197	89	57	35	16 1/2
150mm	150	74	90	87	190	197	89	57	35	16 1/2
200mm	250	76	94	103	356	222	114	60	51	24
250mm & 300mm	510	81	114	138	356	256	156	70	76	36
350,400,450 & 500	1250	103	146	213	457	313	200	83	102	48
600mm	2200	103	159	264	457	363	273	98	152	72

VALVE SIZE	A	B	C	J	P	Q	R	S	AA	AB	WEIGHT
75mm	NOTE AA	138	152	127	4	5/8	229	24	4	5/8-11	36kg
100mm	NOTE AA	138	190	127	8	5/8	229	24	4	5/8-11	36kg
150mm	NOTE AA	165	241	127	8	3/4	280	25	4	3/4-10	45kg
200mm	NOTE AA	192	298	152	8	3/4	343	29	4	3/4-10	68kg
250mm	NOTE AA	244	362	203	12	7/8	406	30	-	-	110kg
300mm	NOTE AA	289	432	203	12	7/8	483	32	-	-	141kg
350mm	NOTE AA	313	476	203	12	1	533	35	4	1-8	232kg
400mm	NOTE AA	373	540	203	16	1	597	37	4	1-8	270kg
450mm	NOTE AA	402	578	203	16	1 1/8	635	40	4	1 1/8-7	345kg
500mm	NOTE AA	441	635	203	20	1 1/8	699	43	4	1 1/8-7	402kg
600mm	NOTE AA	511	750	203	20	1 1/4	813	48	4	1 1/4-7	541kg

- 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-504 FLANGES & DRILLING (A.N.S.I. 125)
- 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: 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(75mm - 300mm), 68kg(350mm - 400mm), 82kg(450mm - 600mm)

PROJECT
OWNER
CONTRACTOR
DISTRIBUTOR
CONSULTANT

<b>CLOW CANADA</b>	75mm - 600mm STYLE 4500 CLASS 150 BUTTERFLY VALVE WITH EXTENDED BONNET, POSITION INDICATOR HANDWHEEL OPERATED FLANGED ENDS	<b>DWG. NO.</b> BFE-15-45F
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