



MODIFIED FOR VERTICAL PIPE LINE INSTALLATION

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	51	90	87	190	197	89	57	35	16 1/2
150mm	150	51	90	87	190	197	89	57	35	16 1/2
200mm	250	52	94	103	356	222	114	60	51	24
250mm & 300mm	510	57	114	138	356	256	156	70	76	36
350,400,450 & 500	1250	81	146	213	457	313	200	83	102	48
600mm	2200	81	159	264	457	363	273	98	152	72

VALVE SIZE	A	B	C	J	P	Q	R	S	AA	AB	WEIGHT
75mm	102	138	152	127	4	5/8	229	24	4	5/8-11	36kg
100mm	102	138	190	127	8	5/8	229	24	4	5/8-11	36kg
150mm	127	165	241	127	8	3/4	280	25	4	3/4-10	45kg
200mm	152	192	298	152	8	3/4	343	29	4	3/4-10	68kg
250mm	197	244	362	203	12	7/8	406	30	-	-	110kg
300mm	241	289	432	203	12	7/8	483	32	-	-	141kg
350mm	265	313	476	203	12	1	533	35	4	1-8	232kg
400mm	309	373	540	203	16	1	597	37	4	1-8	270kg
450mm	338	402	578	203	16	1 1/8	635	40	4	1 1/8-7	345kg
500mm	378	441	635	203	20	1 1/8	699	43	4	1 1/8-7	402kg
600mm	498	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

PROJECT

OWNER

CONTRACTOR

DISTRIBUTOR

CONSULTANT

CLOW CANADA

75mm - 600mm STYLE 4500 CLASS 150 BUTTERFLY VALVE
 BURIED OPERATOR WITH VPA-(VERTICAL PIPE ADAPTER)
 FLANGED ENDS

DWG. NO.
BF-15-45G