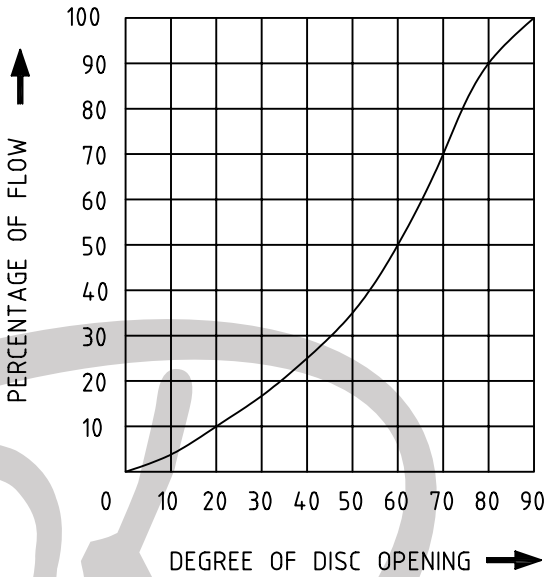
BUTTERFLY VALVE
MODEL - 97 & 97L
Cv VALUES

REF.NO.	BFTS0073	00 REV.NO.
DATE	16 APR 2009	
SHEET	01 OF 01	

SL NO	VALVE SIZE		Cv VALUE	
	MM	INCH	CLASS 150	CLASS 300
01	80	3	188	188
02	100	4	343	343
03	150	6	868	868
04	200	8	1678	1678
05	250	10	2500	2500
06	300	12	3510	3510
07	350	14	5515	4942
08	400	16	8440	7596
09	450	18	11285	10394
10	500	20	14092	12965
11	600	24	20587	18962

TYPICAL FLOW CHARACTERISTICS - % Cv



Cv IS A BASIC INDUSTRY WIDE STANDARD FOR DETERMINING VALVE CAPACITY AND IS DEFINED AS "THE FLOW OF COLD WATER IN GALLON'S PER MINUTE WHICH WILL PRODUCE A PRESSURE LOSS OF ONE POUND PER SQUARE INCH ACROSS A VALVE".

$$Cv = \frac{Q\sqrt{G}}{\sqrt{\triangle P}}$$

WHERE,

Q = FLOW RATE IN GPM

G = SPECIFIC GRAVITY OF LIQUID (WATER = 1)

P = PRESSURE DROP ACROSS THE VALVE IN psi

Kv = Cv/1.17

PREPARED BY :	APPROVED BY :

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