

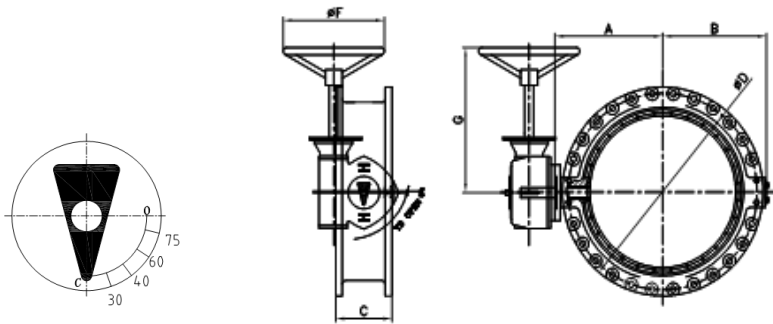


ADVANCE VALVES

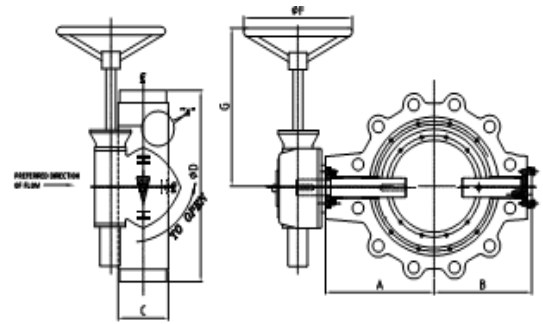
Large size Balancing Valves (Offset Butterfly Valve) with Double Regulating Features

DOUBLE FLANGED

WAFER/LUGGED



(Fig .1)



(Fig .2)

Size	Size	Rating	Dimensions(mm) (Fig .1)					
			A	B	C	D	F	G
600	24"	#150	515	462	267	815	500	400
500	20"	#150	440	396	229	700	500	400
450	18"	#150	400	365	222	635	500	355
400	16"	#150	370	346	216	597	500	355

Size	Size	Rating	Dimensions(mm) (Fig .2)					
			A	B	C	D	F	G
600	24"	#150	500	480	154	703	500	400
500	20"	#150	440	396	127	700	500	400
450	18"	#150	400	365	114	635	500	355
400	16"	#150	370	346	102	597	500	355

PART NAME	MATERIAL
BODY	IS:210 Gr.FG260
DISC	IS:1865 Gr 450/10
STEM	SS-410
RETAINING RING	SS-304
SEAL	EPDM
SEAT RING	SS-316
GEARBOX	CAST IRON (BODY)
STEM SEALING	EPDM
BEARING BUSH	DU BUSH
INTERNAL BOLT/NUTS	STAINLESS STEEL
INDICATOR PLATE	Zn COATED MS PLATE

Pressure / Temperature rating

16 bar, from -10 ° C to 120 ° C

Test Pressure (Hydraulic):

Body: 24 Bar

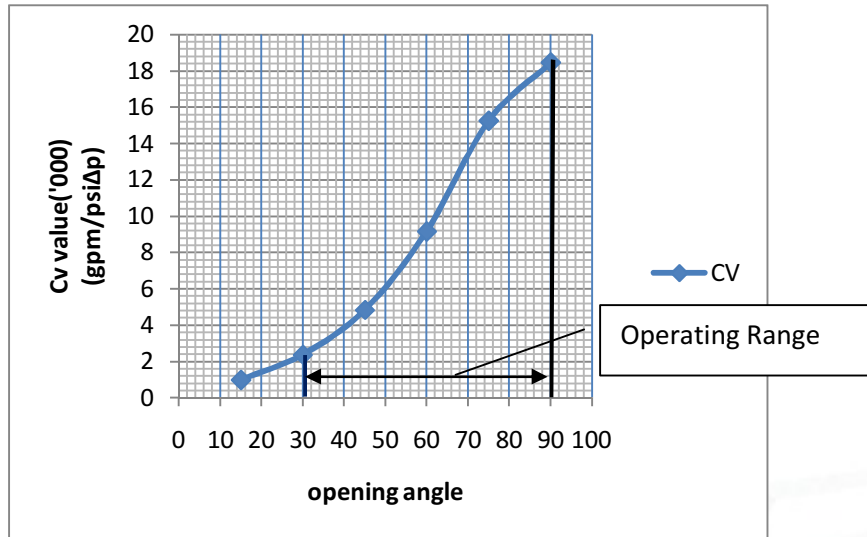
Seat : 17.6 Bar

Specifications:-

Conforming to API 609 CAT. B / BS EN 593;

Supplied with gear-box.

TYPICAL Cv value Distribution (600mm)



$$Cv\left(\frac{q}{\sqrt{\Delta p/g}}\right) \text{ VS OPENING ANGLE}$$

CV VALUE OF THE VALVE AT THE DIFFERENT OPENINGS

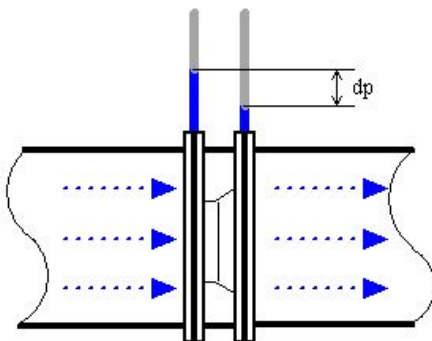
Opening	30°	45°	60°	75°	90°
Cv(gpm/psiΔp)	2378	4837	9164	15248	18452
Kv(m3h/barΔp)	2058	4186	7932	13198	15971

NOTE :-

Note:When used for regulation, valve should be open @ 30° or higher

METERING STATION:-

Butterfly valves can be used as the flow control valves in a specified opening range like the globe valves. In the Balancing Valves (butterfly valves) flow control system, a separate orifice metering station is used for flow measurement. There is a requirement of 5D upstream and 5D downstream straight pipe for orifice metering station.



PRESSURE DROP VS FLOW RATE DATA AVAILABLE ON REQUEST