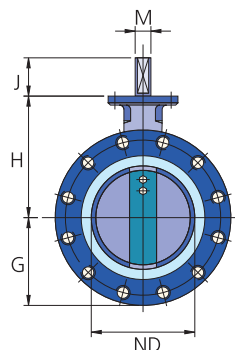
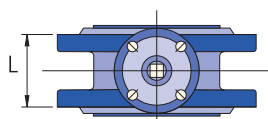


PROINVAL BUTTERFLY VALVE DOUBLE FLANGED TYPE NP10/16 - CENTRIC STEM DIN NP 10/16

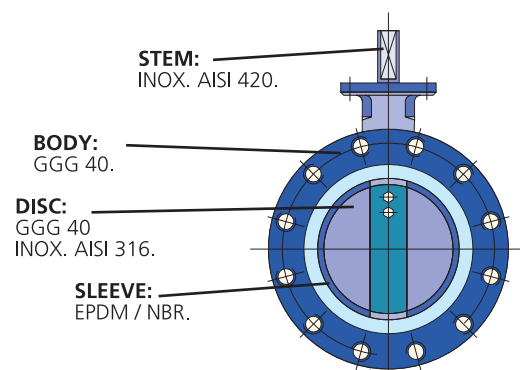
BVP-79BC

Proinval butterfly valves double flanged type centric stem BVP-79BC are designed to satisfy various needs such as supplying, pumping, service of drinking water, treatment, pumping of dirty waters, irrigation, hydraulic or public works...

RANGE: from ND 50 to ND 600.
FACE TO FACE LENGTH: ISO 5752 / EN558-13.
TOP FLANGE: ISO 5211.
FLANGES: DIN NP10 / NP16.
COATING: EPOXY 150µmm.

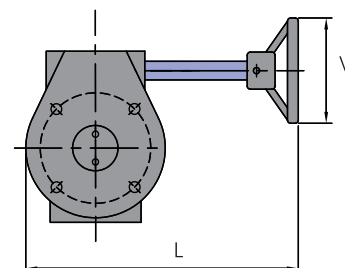


ND	H	L	J	G	M	Kgs.
50	120	108	32	65	9	12
65	126	112	32	70	9	13
80	133	114	32	80	9	14
100	148	127	32	100	11	16
125	160	140	32	110	14	18
150	180	140	32	135	14	25
200	205	152	40	160	17	38
250	246	165	40	196	22	54
300	270	178	40	220	22	64
350	316	190	40	256	22	90
400	365	216	52	308	22	120
450	390	222	52	335	27	179
500	415	229	64	360	27	185
600	510	267	64	426	36	239



GENERAL CHARACTERISTICS:

- No corrosion as the sleeve avoids any contact between fluid and body
- Machined disc on periphery giving a low and regular torque
- Self lubricant bearing
- Total Tightness till 16 bar working pressure
- Tightness in both ways according ISO 5208
- Working temperature: between -10°C and 90°C



ND	FLOW COEFFICIENT							
	20° Kv	30° Kv	40° Kv	50° Kv	60° Kv	70° Kv	80° Kv	90° Kv
50	9	10	21	32	64	84	128	157
65	12	17	31	51	99	128	195	244
80	17	27	45	75	151	191	290	360
100	31	48	82	133	267	348	539	626
125	67	100	174	284	557	708	1137	1276
150	111	162	284	464	911	1172	1873	2216
200	191	284	476	795	1479	1989	3097	3695
250	296	441	754	1311	2436	3132	4930	5684
300	429	626	1102	1821	3538	4582	6902	8526
350	522	870	1508	2564	4733	6508	9370	12992
400	742	1044	1995	3236	5800	8874	12493	14964
450	847	1450	2662	4292	8178	10649	16124	10300
500	1056	1850	3306	5371	9976	13340	20346	25984
600	1450	2656	4640	7064	14500	19140	27364	32828

	L	V
ND 50 - ND 150	210	150
ND 200 - ND 250	315	300
ND 300	310	300
ND 350	341	300
ND 400	438	300
ND 450	438	400
ND 500 - ND 600	639	400

Kv is the water flow rate in m3 per hour which passes through the valve giving a pressure drop of 1 bar at a temperature of 20°C.
The approximate corresponding formulas are:

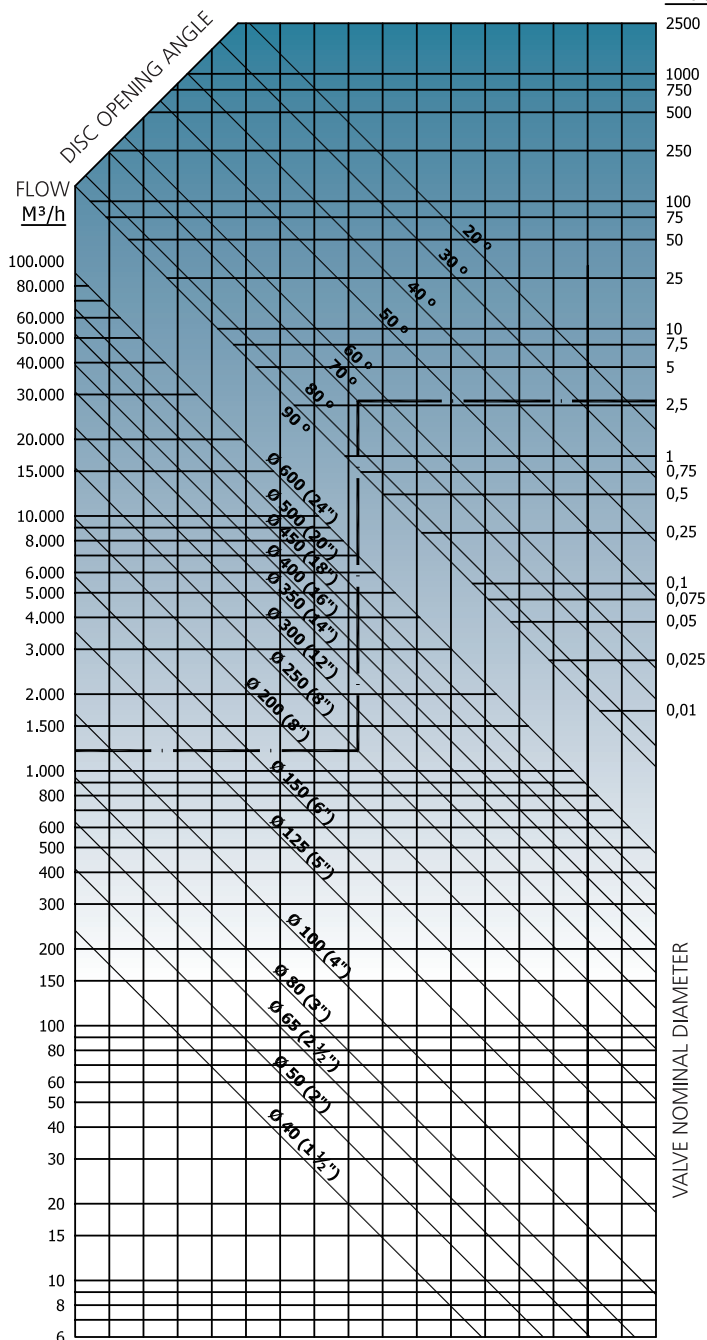
$$Q = K_v \cdot \sqrt{\frac{\Delta p \cdot 1000}{D}}$$

Q = valve flow rate in m3/h.
P = pressure drop through the valve in bar.
1000 = conversion factor for fluids computed in relation to water.
D = kg/m3 fluid density.

HEAD LOSS

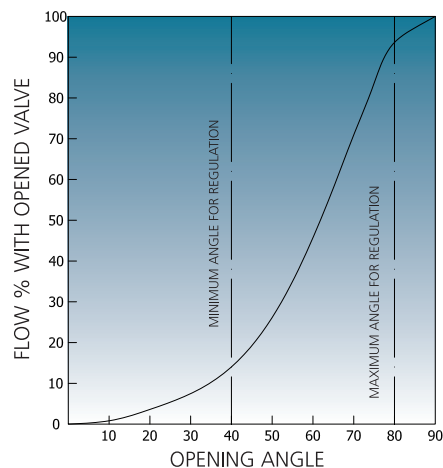
HEAD LOSS (ΔP)

m.c.a.

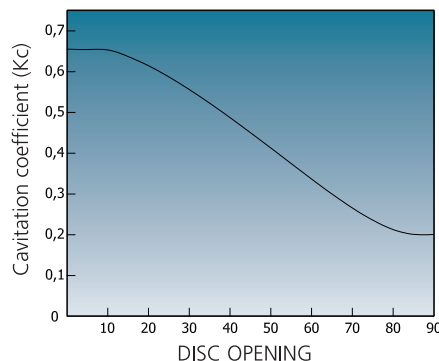


With a 1200m³/h flow, nominal diameter DN250 and a disc opening at 70°, the result is ΔP 2,7.

FLOW CHARACTERISTIC CHARTS



CAVITATION VALUES (K_c) (Cavitation coefficient)



Torque values

ND	Nm.
50	14
65	20
80	27
100	50
125	85
150	125
200	238
250	420
300	670
350	974
400	1313
450	1795
500	2318
600	3727

With dry fluids for NP16



All Proinval butterfly valve double flanged type centric stem BVP-79BC can be handled with single or double effect pneumatic actuator or electric actuator.

