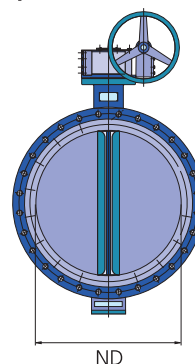
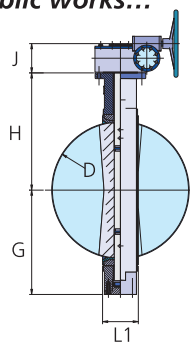
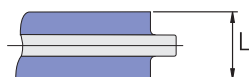


# PROINVAL BUTTERFLY VALVE WAFER TYPE NP10 - BETWEEN FLANGES DIN NP 10/16

## BVP-79MB

Proinval butterfly valves wafer type centric stem 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 700 to ND 1200.  
**FACE TO FACE LENGTH:** EN558-20.  
**TOP FLANGE:** ISO 5211.  
**CONNECTION BETWEEN FLANGES:** DIN NP10 / NP16.  
**COATING:** EPOXY 150µmm.



ND	H	L	L1	J	G	D	Kgs.
700	624	163	169	210	520	695	417
800	672	188	195	210	591	795	497
900	720	203	211	210	656	865	668
1000	800	216	224	210	721	965	788
1200	941	276	286	210	864	1160	1850

### GENERAL CHARACTERISTICS:

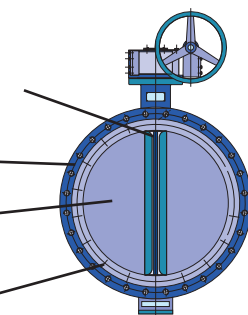
- No corrosion as the sleeve avoids any contact between fluid and body.
- Machined disc on periphery giving a low and regular torque.
- Self lubricant bearing.
- Total Tightness till 10 bar working pressure.
- Tightness in both ways according ISO 5208.
- Working temperature: between -10°C and 90°C.

**STEM:**  
INOX. AISI 420.

**BODY:**  
GGG 40.

**DISC:**  
GGG 40  
INOX. AISI 316.

**SLEEVE:**  
EPDM / NBR.



ND	FLOW COEFFICIENT								
	20° Kv	30° Kv	40° Kv	50° Kv	60° Kv	70° Kv	80° Kv	90° Kv	
700	1929	4086	8851	14615	23242	35359	54403	68087	
800	2769	5558	10134	15994	23911	36418	55816	79170	
900	3504	7033	12824	20241	30260	46088	70638	100195	
1000	4852	9738	17756	28024	41953	63897	97933	138910	
1200	6938	13921	25392	40076	59993	91373	140044	198642	

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:

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

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.

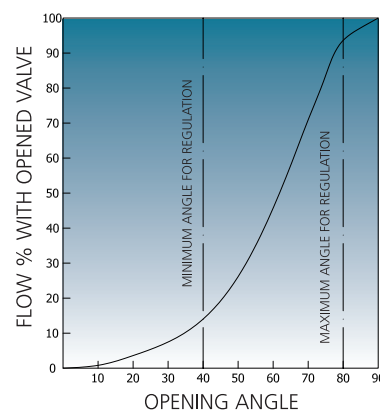
### Torque values

ND	Nm.
700	5300
800	7200
900	9600
1000	15500
1200	21200

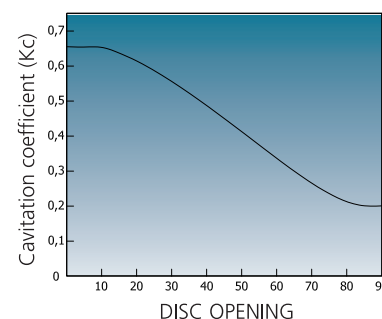
With dry fluids for NP16

All Proinval butterfly valve wafer type centric stems BVP-79MB can be handled with single or double effect pneumatic actuator or electric actuators.

### FLOW CHARACTERISTIC CHARTS



### CAVITATION VALUES (Kc) (Cavitation coefficient)





[www.proinval.eu](http://www.proinval.eu)

