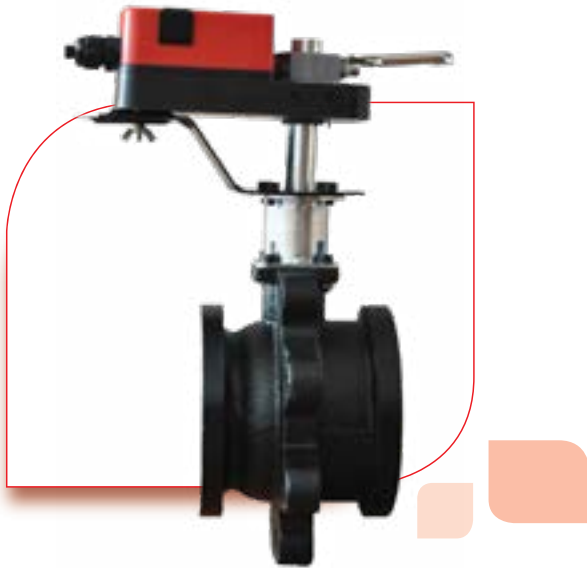


MBLVF

2-Way Control Valves (DN65-150)



Features

- MAPLE present the MBLVF Characterised Disc Flanged Ball valve. These valve are mainly use in the HVAC system to regulate the flow of water and steam in response to the demand of a controller.
- Range from DN 65 to DN 150
- 2-Way
- Cast Iron body
- Low leakage factor of up to 0.01% of Kvs
- High close-off pressure actuator satisfies demanding requirements of high-rise buildings and high-pressure pumping systems
- PN 16 or 232 PSI system operating pressure
- Actuator can be factory or field installed
- Equal Percentage Flow Characteristic

Specifications

Valve Body Pressure Rating	16 Bar PN16 (232 psig) Meets Requirements of ANSI B16.15, Class 250		
Fluid / Ambient Temperature Limits	-5 to 121 °C water at an Ambient Temperature of 40 °C		
Shipping & Storage Temperature Limits	-40 to 70 °C (-40 to 158 °F)		
Service	Chilled, Hot Water, up to 50% Glycol Solutions and Saturated steam 100 KPa		
Seat Leakage	0.01% of KVs		
Pipe Connection	Flanged DIN		
Body Materials	Body	Stem	Cast Iron—Polyester Coated
	Seat	Seal	Chrome Plate Brass
	Ball		PFTE
			EPDM Double O-Ring
			Chrome Plate Brass
Flow Characteristics	2 Way	Equal Percentage	

Flow Coefficient, KVs

KVS	DN	65		80		100		125		150	
		2 way	3 way	2 way	3 way	2 way	3 way	2 way	3 way	2 way	3 way
E		63	-	100	-	140	-	230	-	320	-

Maximum Close-off Pressure KPA (PSI) with Actuator

Maximum Shutoff Pressure KPA (PSI)							
Model	Torque (Nm)	Spring Return	DN65	DN50	DN100	DN125	DN150
MAF..... - 08	8	Yes	340 (50)	276 (40)	-	-	-
NAC..... - 20	20	No	690 (100)	550 (80)	-	-	-
NAC..... - 40	40	No	1000 (145)	690 (100)	690 (100)	690 (100)	400 (58)

Table 2

Dimensions of Valve Body *unit : mm*

Dimensions	DN (mm)	L	H	A	B	C	D	Bolt Holes
2-Way	65	93	86	44	Φ 101	266	Φ 145	4 x Φ 18
	80	108	95	55	Φ 125	275	Φ 160	8 x Φ 18
	100	120	104	69	Φ 148	272	Φ 180	8 x Φ 18
	125	145	106.5	80	Φ 180	284	Φ 210	8 x Φ 18
	150	168	131.5	92	Φ 205	298	Φ 240	8 x Φ 22

Table 3

