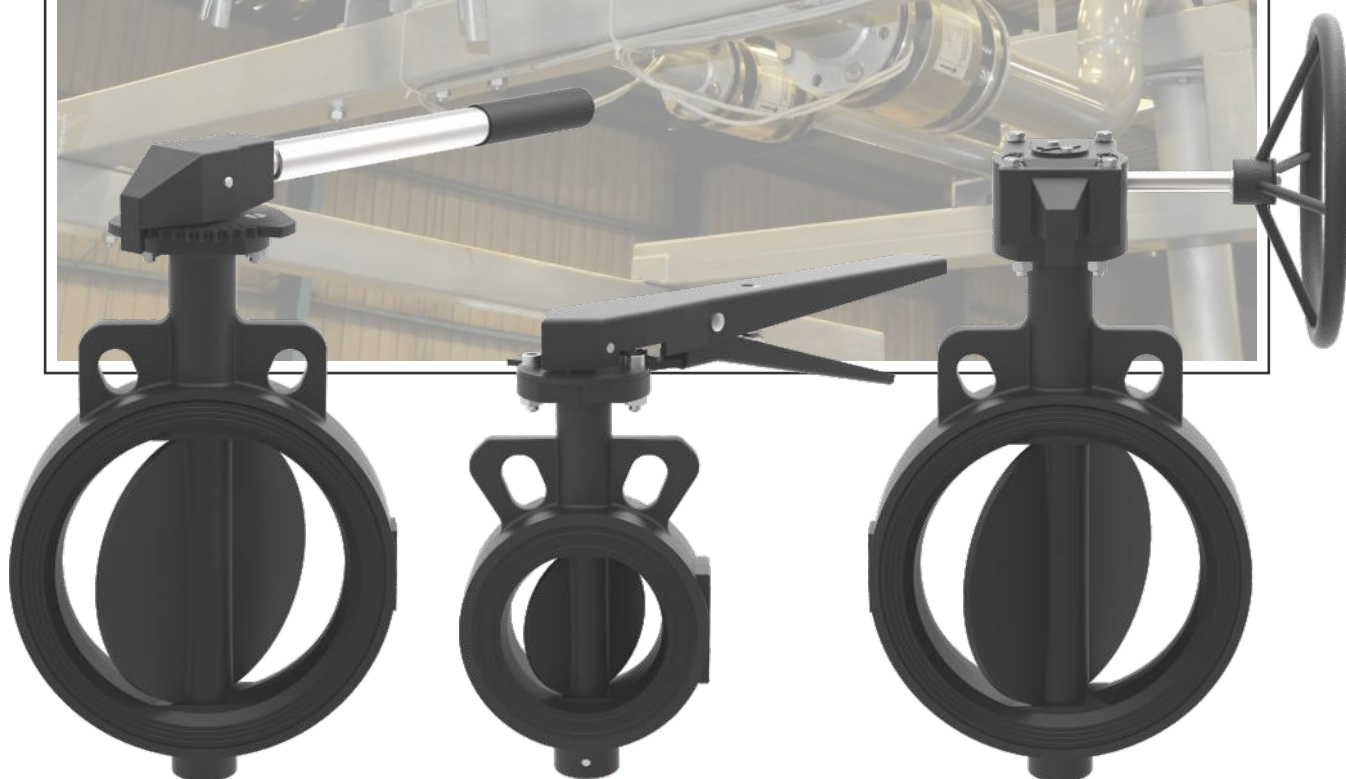


LBV SERIES

Butterfly Valves



INTRODUCTION

- We design & manufacture the Lubi LBV series type of Butterfly Valves for General Utility Water applications as well as for HVAC applications.
- It is a type of quarter turn valves which means that the valve can be fully opened or closed when the disc is rotated a quarter turn.

MAIN FEATURES

- Butterfly Valves are easy to open & close.
- They are easy to install due to their compact design & less space requirements at the place of installation.
- We provide Tight Sealing due to close interference between disc & liner. We also provide a Triple Stem Seal which prevents any leakage and also any foreign particles from entering the valve.
- The flow control lever as well as the gear unit are designed such that very low torque is required for controlling the valve. Also, the hand lever is lockable in order to lock the position of disc in open or close positions.
- These valves have very less pressure drop & high pressure recovery.
- We provide all our valves with CED coating which gives better corrosion resistance & hence gives long lasting life.

Test Pressure (Hydrostatic Shell) :

PN10 - 15 bar (217.5 psi), PN16 - 24 bar (348.0 psi)

Maximum Working Pressure :

PN10 - 10 bar (145 psi), PN16 - 16 bar (232.0 psi)

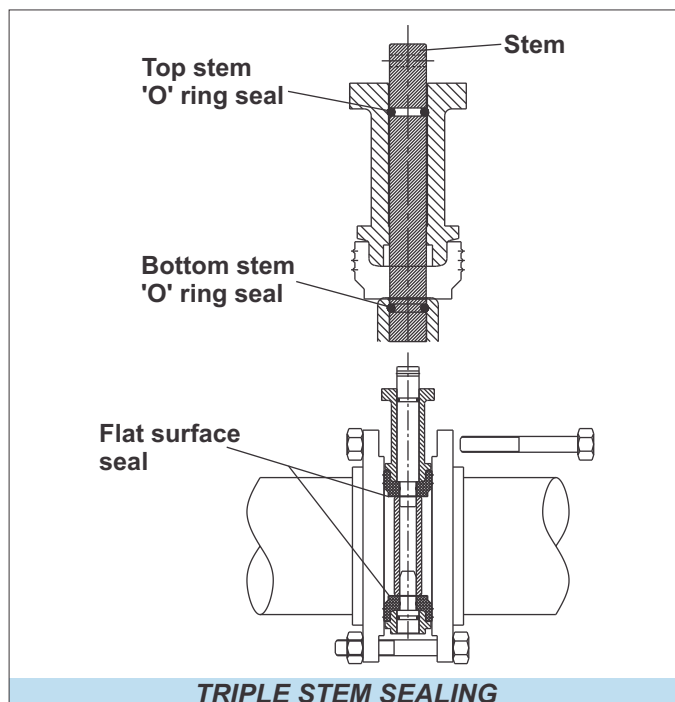
Maximum Working Temperature: 110°C (230°F)

APPLICATIONS

The main applications of this valve is for general utility water applications as well as HVAC applications.

The typical applications areas are as follow:

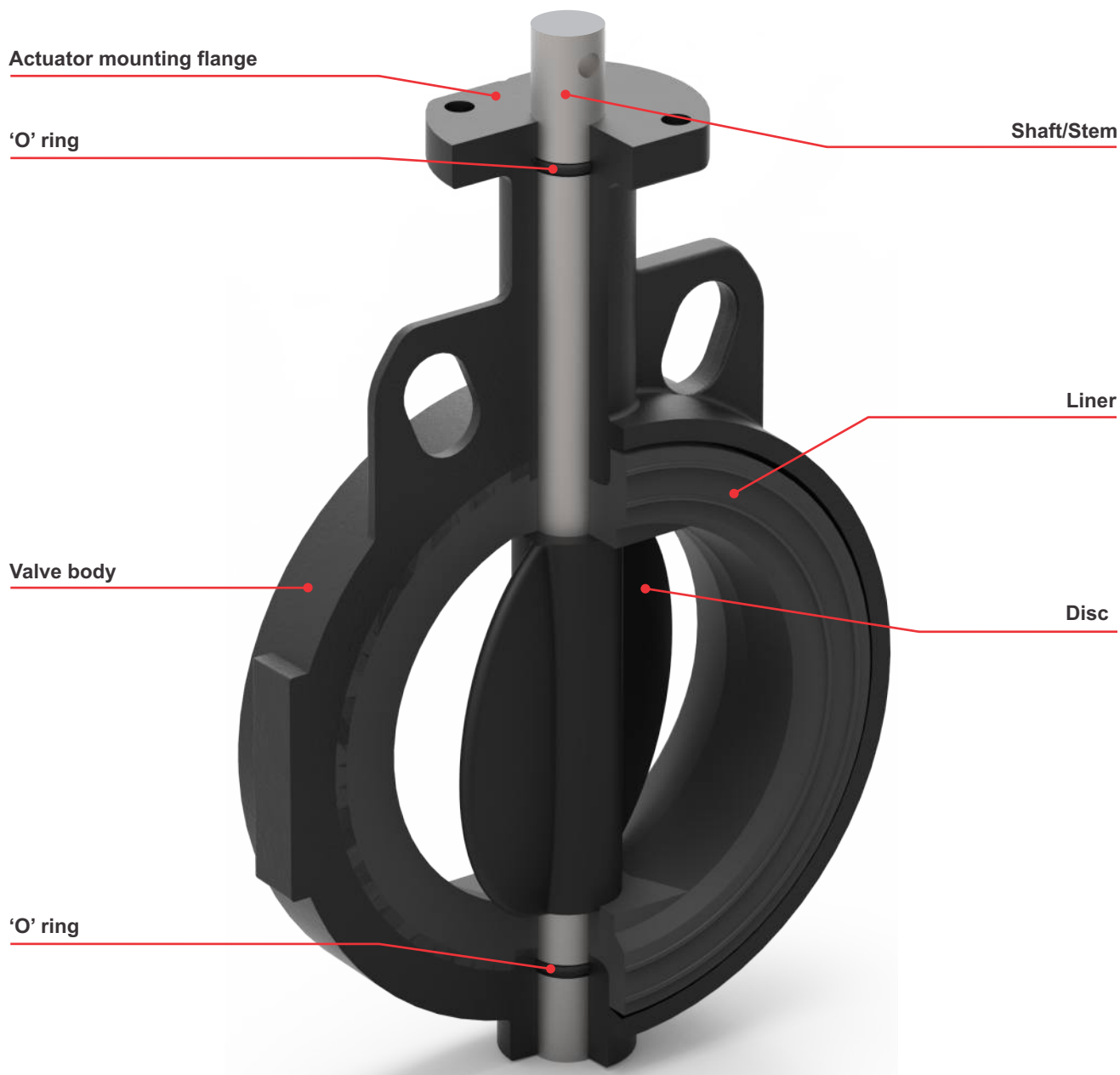
- ☐ On/off isolation
- ☐ Dead-end service/removal of down stream piping
- ☐ Industrial process water piping
- ☐ Municipal raw water intake
- ☐ Municipal chlorinated water systems
- ☐ Full vacuum
- ☐ Aeration and blower applications.



TYPE KEYS

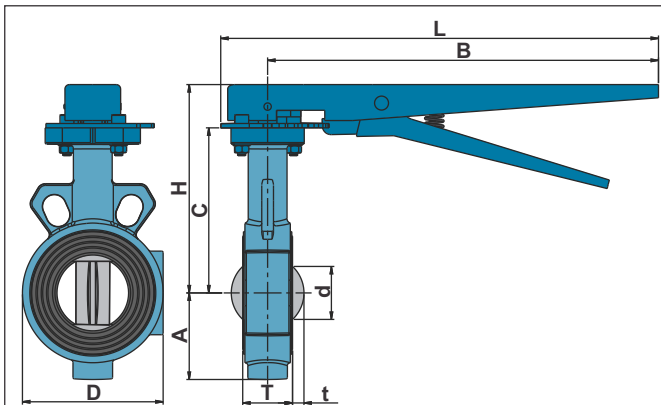
LBV10	50	W	L	E	A	CI	A
Pressure rating	Valve size (mm)	Body style		Body liner		Body material	
LBV10 = PN10 LBV16 = PN16 LBV150 = CL150	50 = 50 mm 65 = 65 mm 80 = 80 mm 100 = 100 mm 125 = 125 mm 150 = 150 mm 200 = 200 mm 250 = 250 mm 300 = 300 mm	W = Wafer type* L = Lugged F = Flanged		E = EPDM* N = Nitrile V = Viton		CI = Cast Iron* SS = CF8M CS = Carbon Steel	
			Operation		Disc material		Shaft
			L = Lever* G = Gear Unit A = Actuator / Limit Switch (Mini automation)		A = Cast Iron* B = Ductile Iron C = CF8 D = CF8M E = Al Bronze		A = Carbon Steel* (EN8) B = Stainless Steel AISI 410 C = Stainless Steel AISI 304

* Standard Construction

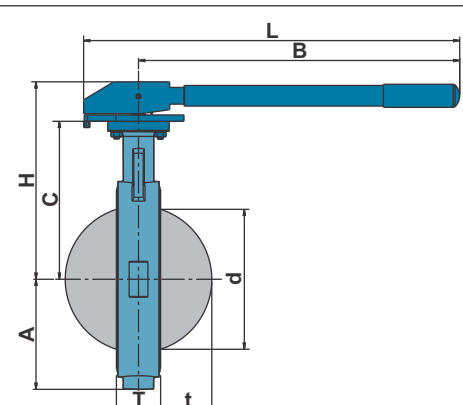
DESIGN FEATURES

MATERIAL OF CONSTRUCTION

Part Name	Material
Valve Body	Cast Iron, CF8M, Carbon Steel
Liner	EPDM, Nitrile , Viton
Disc	Cast Iron, Ductile Iron, CF8, CF8M, Al Bronze
Shaft/Stem	Carbon Steel (EN8), Stainless Steel AISI 410, Stainless Steel AISI 304

TECHNICAL DATA

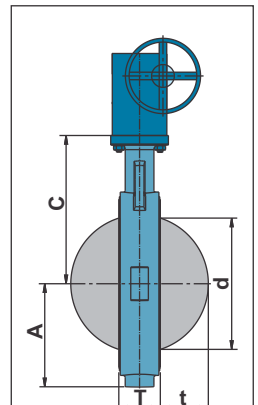


VALVE SIZE: DN 50 TO DN 150, DN 300



VALVE SIZE: DN 200 TO DN 250

VALVE WITH FLOW CONTROL LEVER



VALVE SIZE:
DN 50 TO DN 300

VALVE WITH
GEAR UNIT

Valve Size		Dimensions [mm]									Flange Mounting (ISO 5211)	Torque* [Nm]
mm	inch	T	C	A	D	d	t	Flow Control Lever				
								B	L	H		
DN 50	2	45	113	65	95	44	3	175	208	138	F05	7
DN 65	2½	48	118	70	105	60	9	268	300	147	F05	11
DN 80	3	48	127	79	123	74	16	268	300	156	F05	15
DN 100	4	54	150	96	157	96	24	268	300	179	F05	23
DN 125	5	58	165	107	179	120	34	268	300	194	F05	34
DN 150	6	58	185	125	211	144	46	268	300	215	F05	52
DN 200	8	61	235	150	261	198	70	397	463	290	F07	102
DN 250	10	74	260	185	322	248	90	515	608	325	F10	156
DN 300	12	85	285	204	369	300	111	508	610	345	F10	178

Note: * A safety factor of 25% should be added to these figures, while sizing for an actuator.

STANDARDS

Design	EN 593 / API 609
Face to Face dimension	API 609
Flange	ASME B16.5
Top Flange	ISO 5211
Testing	API 598

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Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

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ISO 9001



ISO 14001

Customer Care Number : 09824200800