



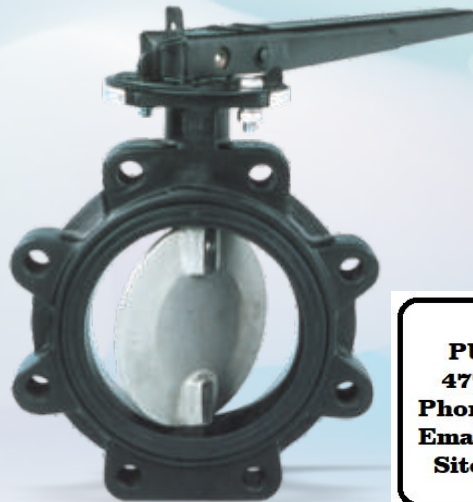
**INTERVALVE® POONAWALLA LTD.**

*The name says it all*



INTERVALVE IVTL

**General Purpose Rubber Lined Butterfly Valve With Lugged Body**



**Authorised Dealer;**  
**PUSHKARNA SALES PVT LTD.**  
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Yet another real workhorse from the IV stables, IVTL model Butterfly valve incorporates the optimum design features to provide long trouble free service in the field. This general purpose soft seated Butterfly valve has a fully rubber lined single piece body with a centric disc construction and is available in wafer lugged style body pattern to ensure precise location in pipe line.

The body liner which also functions as the soft seat, comes either in a replaceable version or an integrally moulded (bonded) version and offers 100% bi-directional sealing against full vacuum to rated pressures of PN10 or PN16.

**Conformity to Codes & Standards :**

- General design and manufacturing : API 609 category A / EN 593
- Valve face to face dimensions : API 609 category A / EN 593 / short wafer lugged as per ISO 5752 Tab 5
- Top flange drilling : ISO 5211
- Valve inspection and testing : API 598 / EN 12266 PART 1
- Flange standard : Class 150, DIN EN 1092 - PN6 / 10 / 16, JIS 5K / 10K, BS10 Tab D & E, IS 6392 Table 11 / 17 For sizes > DN 650 ASME B 16.47 Class 150 Series A/ B & BS 3293 Class 150 and API 605

**Technical specifications :**

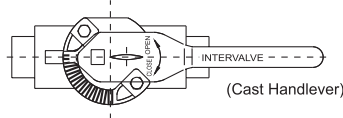
- Valve type : Centric Disc Rubber Lined Butterfly valve with a single piece body
- Body type : Wafer lugged (IVTL)
- Seat type : Replaceable for sizes DN50 to DN600 < PN10 rating. Bonded seat for sizes DN40 to DN1200 for applicable ratings.
- End connection : Wafer lugged
- Size range : DN 40 to DN 1200
- Pressure rating : \*DN40 to DN 600 - ASME Class 150 (max) DN 650 to DN 1200 - PN10 (max).
- Operating temperature range : - 25° C to 200° C (depending on MOC)
- Seat leakage : Tight shut off ( Bi-directional)
- Operation :
  - Handlever for sizes from DN40 to DN250
  - Worm gear boxes for sizes from DN40 to DN1200
  - Pneumatic /Electric actuator operation-optional
  - Standard Material of Construction (MOC)
- Valve Body : CI/ SGI/ WCB/ CF8/ CF8M
- Disc : SGI/WCB/CF8/CF8M
- Seat liner : EPDM/ Viton/ Nitrile/ Neoprene/ Hypalon/ Silicon
- Drive end and non drive end shafts : SS 410/SS316SH/17.4 PH

\*PN16 and below ratings are as per EN 593

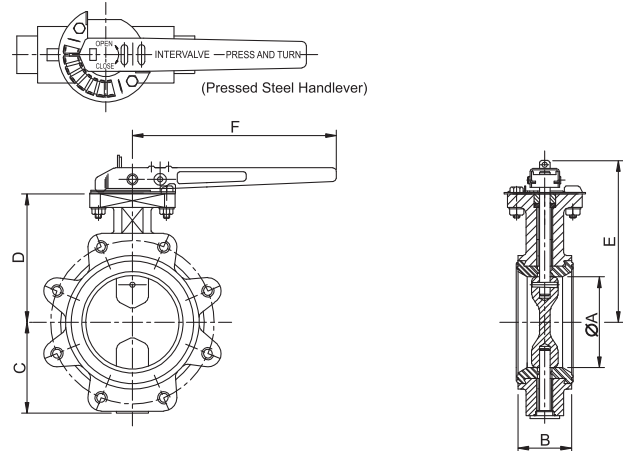


### DIMENSIONS (mm) with Pressed Steel Handler

VALVE SIZE	ØA	B	C	D	E	F	WT.(kg) Approx.
40	40	33	68	103	150	195	4.0
50	50	43	73	113	160	195	4.5
65	65	46	80	121	170	195	5.0
80	80	46	88	128	175	195	5.5
100	100	52	104	146	195	250	7.0
125	125	56	116	158	205	250	8.5
150	150	56	138	174	230	300	12.0



### IVTL Butterfly Valve with Handler



### DIMENSIONS (mm) with Cast Handler

VALVE SIZE	ØA	B	C	D	E	F	WT.(kg) Approx.
200	200	60	163	198	255	500	16.0
*250	250	68	210	245	300	500	26.0

\*Valve rating PN10 Only

Dimensions in bracket are only for reference

### DIMENSIONS (mm) for PN10 & PN16 with Worm Gear

VALVE SIZE	ØA	B	C	D	E	F	ØG	H	WT.(kg) Approx.
40	40	33	68	103	230	195	175	127	9.5
50	50	43	73	113	240	195	175	127	11.0
65	65	46	80	121	248	195	175	127	11.5
80	80	46	88	128	255	195	175	127	13.0
100	100	52	104	146	273	195	175	127	16.0
125	125	56	116	158	285	195	175	127	19.0
150	150	56	138	174	340	242	250	182	22.5
200	200	60	163	198	365	242	250	182	25.5
250	250	68	210	245	410	242	250	182	36.5
300	300	78	237	270	486	285	350	252	52.0
350	336	78	265	312	528	285	350	252	62.0
400	386	102	312	360	705	365	600	388	93.5
450	436	114	337	390	735	365	600	388	108.5
500	486	127	362	410	785	370	600	432	158.5

### DIMENSIONS (mm) for PN10 with Worm Gear

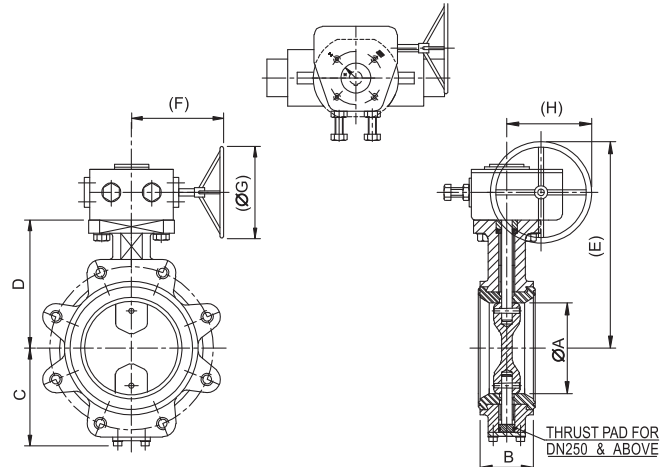
VALVE SIZE	ØA	B	C	D	E	F	ØG	H	WT.(kg) Approx.
600	586	154	446	490	862	370	600	432	242.0

### DIMENSIONS (mm) for PN16 with Worm Gear

VALVE SIZE	ØA	B	C	D	E	F	ØG	H	WT.(kg) Approx.
600	586	154	446	490	825	420	500	500	296.0

Dimensions in bracket are only for reference

### IVTL Butterfly Valve with Worm Gear



- 1) No. of holes shown are for indicative purpose only
- 2) Dimensions in bracket are for reference only

#### Key features

- Unique triple sealing system for shaft sealing, eliminates any fugitive emission or secondary leakage.
- Self lubricated PTFE lined bearings for both drive end and non-drive end shaft ensures minimum bearing friction torque.
- Seat liner extending on to the flange contact faces, eliminates the need for separate flange gaskets during installation.
- Controlled compression of the gasket face to offer optimum sealing & prevent gasket face crushing failure.
- Bi-directional valve with tight shut off sealing capability to hold vacuum to rated pressure in either direction.
- Excellent adaptability for actuated operation through standardised top flange mounting dimensions for actuator fitment.
- Suitability for ON/OFF as well as throttling duties.
- Choice of seat and disc materials to suit media conditions and service requirements.
- The lugged wafer pattern ensures precise self centring of valve between mating flanges.
- Possibility of lower seat rating to obtain reduced operating torque and extended seat life for low operating pressures.



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