

## L &amp; T GLOBE VALVES

A globe valve is used to control the flow of product through a pipeline. This control is achieved through a conical plug and fixed orifice. The conical plug varies the size of the fixed orifice and either reduces or allows more flow. There are a variety of plug and orifice configurations that influence flow rates as required.

**Product Application:**

- Process industries: Oil, chemical, petrochemical, refining, pulp and paper, pharmaceutical, mining, food processing and water treatment.
- Power Industries: nuclear, fossil fuel (coal and gas), and renewable and district heating.
- Upstream and midstream industries: offshore production platforms, LNG Liquefaction and regasification terminals, tankers carriers and tank farms, and ship-building.

**Standard materials of construction:**

Description	Material
Body	ASTM A216 Gr. WCB
Body Seat Ring	ASTM A182 Gr. F6a + Hard-Faced with Stellite #6 or equivalent
Disc	ASTM A216 Gr. WCB + 13% Cr. Steel
Disc Washer	13% Cr. Steel
Stem	ASTM A182 Gr. F6a
Disc Stem Nut	13% Cr. Steel
Gasket	ASTM A308
Bonnet	ASTM A216 Gr. WCB
Stud	ASTM A193 Gr. B7
Stud Nut	ASTM A194 Gr. 2H
Back-seat Bush	13% Cr. Steel
Packing	Graphite with braided end rings
Gland	13% Cr. Steel
Gland Flange	ASTM A105 / ASTM A216 Gr. WCB
Eye Bolt	CR. - Mo Steel
Eye Bolt Nut	ASTM A194 Gr. 2H
Groove Pin	Steel
Yoke Bush	ASTM A439 Type D2
Handwheel	Steel / Ductile Iron / Malleable Iron
Washer	Steel
Handwheel Nut	ASTM A563 Gr. B
Nameplate	SS 304

Dimensions (in mm, unless specified) & Weights (in KG):

Valve Size	Class 150						Class 300						Class 600					
	A		B	C	Approx. Wt.		A		B	C	Approx. Wt.		A		B	C	Approx. Wt.	
	Fl	B/W			Fl	B/W	Fl	B/W			Fl	B/W	Fl	B/W			Fl	B/W
50 (2")	203	203	335	203	23	20	267	267	355	203	33	28	292	292	400	254	42	38
65 (2 1/2")	216	-	355	203	35	-	292	-	410	203	46	-	-	-	-	-	-	-
80 (3")	242	242	421	254	41	38	317	317	457	254	58	50	356	356	560	356	75	60
100 (4")	292	292	477	254	66	62	356	356	556	356	97	84	432	432	593	406	136	116
150 (6")	406	406	575	356	118	110	445	445	668	457	186	164	559	559	837	610	245	195
200 (8")	495	495	680	457	207	195	559	559	830	610	329	296	661	661	947	610	546	466
250 (10")	623	623	895	356	335	320	623	623	1206	610	520	471	787	787	1285	762	756	656
300 (12")	699	699	1215	610	495	470	711	711	1160	762	705	634	838	838	1560	762	1086	896

Fl = Flanged. B/W = Butt Weld.