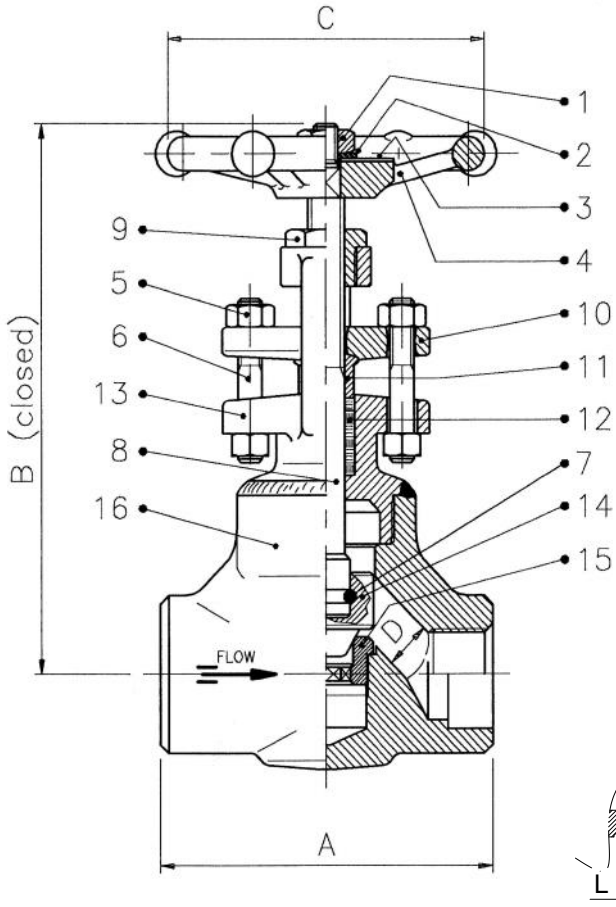


800 Lbs

DT-FDV-003



**BASIC DESIGN STANDARDS**

**Basic Design**     ISO 15761

**Wall Thickness / Pressure / Temperature**     According to ANSI B16.34

**Ends Dimensions**     SW according to ANSI B16.34 / NPT-F according to ASME B1.20

**Bore**     Reduced

**TEST PRESSURE TO API 598 bar**

Shell (water)	Seat (water)	Seat (air)
204	150	6.0

BW Welded-End version

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	ENI VD 415 C30	ENI VD 415 C31
01	Handwheel Nut	Carbon Steel	Carbon Steel
02	Washer	Carbon Steel	Carbon Steel
03	Name Plate	Aluminium	Aluminium
04	Handwheel	Carbon Steel	Carbon Steel
05	Gland Nuts	A194 Gr. 2H	A194 Gr. 2H
06	Gland Studs	AISI 410	AISI 410
07	Wire Joint	Inconel 750	Inconel 750
08	Stem	A479 TP410	A479 TP410
09	Yoke Sleeve	AISI 416	AISI 416
10	Gland Flange	ASTM A105N	ASTM A105N
11	Packing Gland	A479 TP410	A479 TP316
12	Packing	Graphoil	Graphoil
13	Bonnet	ASTM A105N	ASTM A105N
14	Disc	A479 TP410	A479 TP304 + STL.6
15	Seat Ring	A479 TP410	A479 TP410 + STL.6
16	Body	ASTM A105N	ASTM A105N

• Other materials available on request

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# FORGED GLOBE VALVES

**800 Lbs**

SIZE (Reduced Bore)		DIMENSION in mm				
Inches	mm	A	B	C	D	Kg (HANDWHEEL)
1/2"	15	80	160	78	9	1.8
3/4"	20	90	170	78	12.5	2.0
1"	25	110	200	100	17.5	3.3
1-1/4"	32	127	235	120	22.5	5.4
1-1/2"	40	155	270	140	29	7.9
2"	50	170	290	170	35	10.8

**ANSI CLASS 800**      **PRESSURE – TEMPERATURE RATINGS TO ANSI B16.34**

Temperature °C	WORKING PRESSURE (bar.g)	
	ASTM A105N (a)	
-29 to 38	136.2	
93	124.1	
149	120.7	
204	116.5	
260	110.0	
316	100.7	
343	98.6	
371	97.9	
399	92.7	
427	75.8	
454	49.3	
482	31.7	
510	19.0	
538	9.6	

(a) Permissible, but not recommended for prolonged usage above 427 °C  
(b) Permissible, but not recommended for prolonged usage above 594 °C  
(c) For welding end valves only: Flanged end ratings terminate at 538°C

**FORGED STEEL GLOBE VALVES CLASS 800**