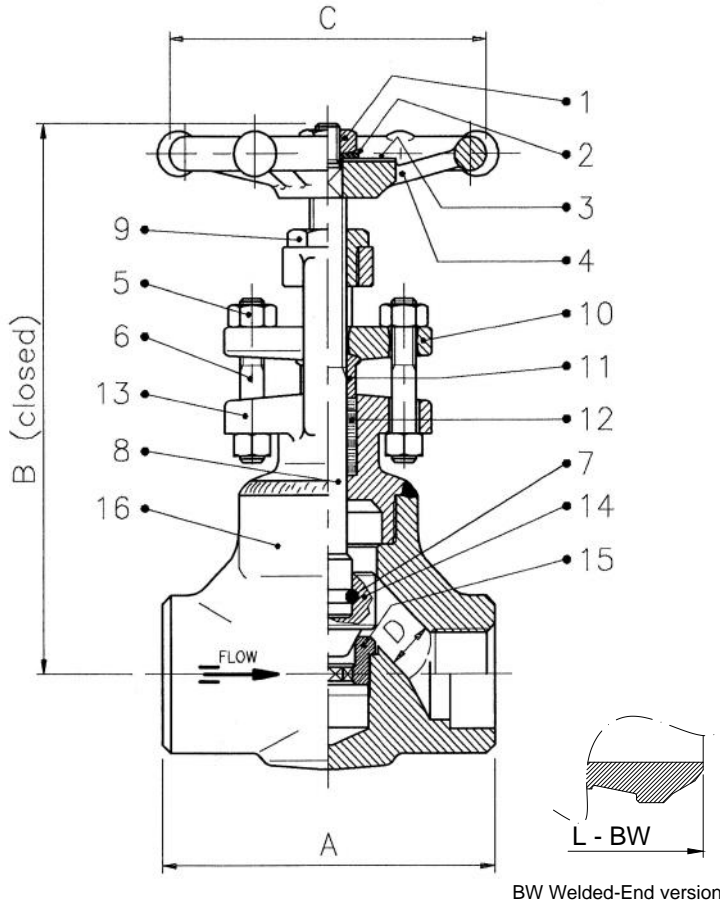


**2500 Lbs**

**DT-FDV-009**



### BASIC DESIGN STANDARDS

<b>Basic Design</b>	<u>ISO 15761</u>
<b>Wall Thickness / Pressure / Temperature</b>	According to ANSI B16.34
<b>Ends</b>	<u>SW according to ANSI B16.34 /</u>
<b>Dimensions</b>	<u>NPT-F according to ASME B1.20</u>
<b>Bore</b>	<u>Full</u>

### TEST PRESSURE TO API 598 bar

Shell (water)	Seat (water)	Seat (air)
637	467	6.0

### BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	A105/F6	F316/316
01	Handwheel Nut	Carbon Steel	A194 Gr8
02	Washer	Carbon Steel	A194 Gr8
03	Name Plate	Aluminium	INOX
04	Handwheel	Carbon Steel	Carbon Steel + Rislant
05	Gland Nuts	A194 Gr. 2H	A194 Gr. 8
06	Gland Studs	AISI 410	A193 B8M
07	Wire Joint	Inconel 750	Inconel 750
08	Stem	A479 TP410	A479 TP316L
09	Yoke Sleeve	AISI 416	AISI 416
10	Gland Flange	ASTM A105N	ASTM A182 F316
11	Packing Gland	A479 TP410	A479 TP316
12	Packing	Graphoil	Graphoil
13	Bonnet	ASTM A105N	ASTM A182 F316
14	Disc	A479 TP410	A479 TP316
15	Seat Ring	A479 TP410	A479 TP316
16	Body	ASTM A105N	ASTM A182 F316

\* Recommended Spare Parts

# FORGED GLOBE VALVES

**2500 Lbs**

SIZE (Full Bore)		DIMENSION in mm				
Inches	mm	A	B	C	D	Kg (HANDWHEEL)
1/4"	8	110	260	100	7	3.5
3/8"	10	110	260	100	8	3.5
1/2"	15	110	270	100	11	3.5
3/4"	20	120	275	120	14	5.5
1"	25	130	290	140	19	7.5
1-1/4"	32	130	390	170	24	10
1-1/2"	40	210	415	170	28	16
2"	50	240	425	260	36	25

ANSI CLASS 2500		PRESSURE – TEMPERATURE RATINGS TO ANSI B16.34	
Temperature °C	WORKING PRESSURE (bar.g) ASTM A105N (a)		
	A105	F316	
-29 to 38	425.5	413.8	
93	387.9	355.9	
149	377.2	321.4	
204	364.1	295.2	
260	344.1	274.5	
316	314.5	259.3	
343	308.6	255.2	
371	306.2	249.7	
399	289.7	245.5	
427	236.6	242.8	
454	153.8	240.0	
482	98.6	238.6	
510	59.3	222.1	
538	29.7	201.0	
566	-	197.6	
593	-	175.5	
621	-	135.9	
649	-	106.6	
677	-	84.8	
704	-	66.9	
732	-	55.2	
760	-	43.4	
788	-	33.4	
816	-	23.8	

(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 2500#**