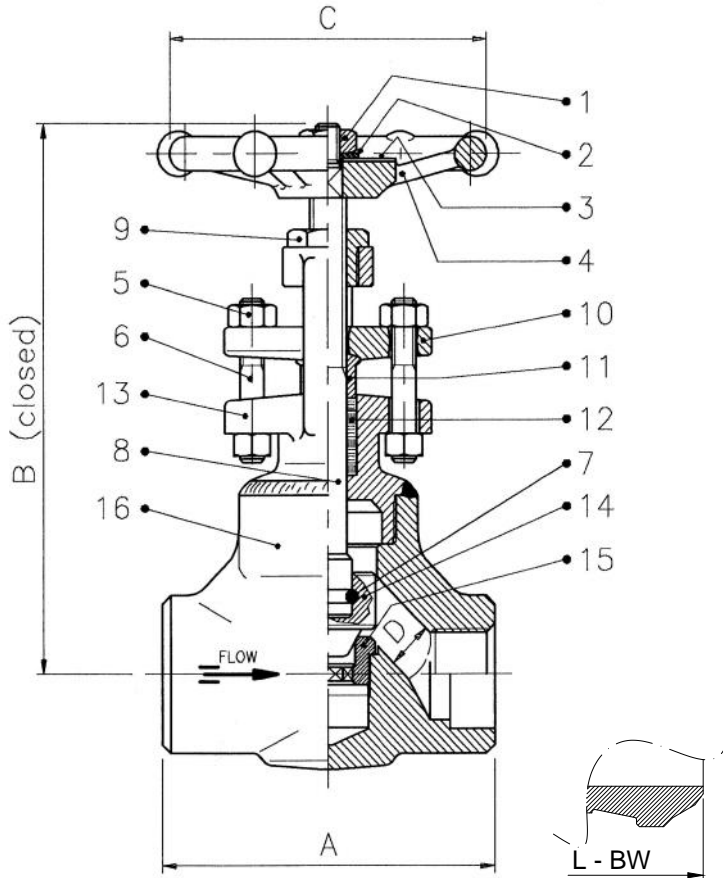


1500 Lbs

DT-FDV-008



BW Welded-End version

BASIC DESIGN STANDARDS

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

TEST PRESSURE TO API 598 bar

Shell (water)	Seat (water)	Seat (air)
382	280	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

1500 Lbs

SIZE (Reduced Bore)		1500# - DIMENSION in mm				
Inches	mm	A	B	C	D	Kg (HANDWHEEL)
1/2"	15	90	152	80	10	2.2
3/4"	20	110	180	100	14	3.6
1"	25	120	218	120	18	5.2
1-1/4"	32	130	252	140	24	7.5
1-1/2"	40	130	275	170	29	10
2"	50	150/210	320	170	36,5	14.5

SIZE (Full Bore)		1500# - DIMENSION in mm				
Inches	mm	A	B	C	D	Kg (HANDWHEEL)
1/4"	8	90	152	80	8	2.2
3/8"	10	90	152	80	10	2.2
1/2"	15	110	180	100	14	3.6
3/4"	20	120	218	120	18	5.2
1"	25	130	252	140	24	7.5
1-1/4"	32	130	275	170	29	10
1-1/2"	40	150/210	320	170	36.5	14.5
2"	50	210	325	170	40	14.5

FORGED STEEL GLOBE VALVES CLASS 1500#

ANSI CLASS 1500

PRESSURE – TEMPERATURE RATINGS TO ANSI B16.34

Temperature °C	WORKING PRESSURE (bar.g) ASTM A105N (a)	
	A105	F316
-29 to 38	255.5	248.3
93	232.8	213.4
149	226.2	192.8
204	218.6	177.2
260	206.6	164.8
316	188.6	155.5
343	185.2	153.1
371	183.8	149.7
399	173.8	147.2
427	142.1	145.5
454	92.4	144.1
482	59.3	143.1
510	35.5	133.1
538	17.9	120.7
566	-	118.6
593	-	105.2
621	-	81.7
649	-	63.8
677	-	50.7
704	-	40.3
732	-	33.1
760	-	25.2
788	-	20.0
816	-	14.1

(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