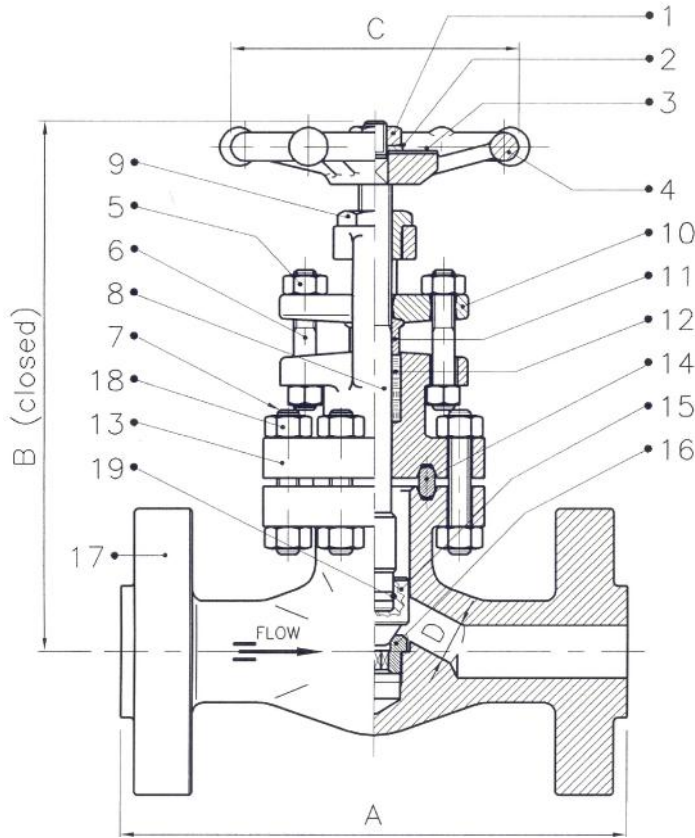


1500 - 2500 Lbs

DT-FDV-006



BASIC DESIGN STANDARDS

Basic Design	ISO 15761
Wall Thickness / Pressure / Temperature	According to ANSI B16.34
Ends Type	RF according to ASME
Dimensions	B16.5
Bore	Full

TEST PRESSURE TO API 598 bar

Rating	Shell (water)	Seat (water)	Seat (air)
1500	382	280	6.0
2500	637	467	6.0

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	Carbon Steel	API TRIM 12	Stainless Steel
		A105/F6	A105/SS316 HF	SS316
01	Handwheel Nut	Carbon Steel	Carbon Steel	A194 Gr.8
02	Washer	Carbon Steel	Carbon Steel	A194 Gr.8
03	Name Plate	Aluminium		INOX
04	Handwheel	Carbon Steel	Carbon Steel	Carbon Steel + Rislan
05	Gland Nuts	A194 Gr. 2H	A194 Gr. 2H	A194 Gr.8
06	Gland Studs	AISI 410	AISI 410	A193 B8M
07	Bolts B/B	A193 B7	A193 B7	A193 B8
08	Stem	A479 TP410	A479 TP316L	A479 TP316L
09	Yoke Sleeve	AISI 416	AISI 416	AISI 416
10	Gland Flange	ASTM A105N	ASTM A105N	ASTM A316
11	Packing Gland	A479 TP316	A479 TP316	A479 TP316L
12*	Packing	Graphoil	Graphoil	Graphoil
13	Bonnet	ASTM A105N	ASTM A105N	ASTM A182 F316L
14*	Gasket B/B	F316 + Graphoil	F316 + Graphoil	F316 + Graphoil
15	Disc	A479 TP410	A479 TP316L + HF	A479 TP316L
16	Seat Ring	A479 TP410	A479 TP316L + HF	A479 TP316L
17	Body	ASTM A105N	ASTM A105N	ASTM A182 F316L
18	Nuts B/B	A194 Gr. 2H	A194 Gr. 2H	A194 Gr.8
19	Wire Joint	ASTM A182 F316L	ASTM A182 F316L	ASTM A182 F316L

* Recommended Spare Parts

1500 - 2500 Lbs

SIZE (Full Bore)		1500# RF/RJ/BW - DIMENSION in mm				
Inches	mm	A (RF/BW/RJ)	B	C	D	Kg (HANDWHEEL)
1/2"	15	216	225	120	11	10
3/4"	20	229	270	140	14.5	15
1"	25	254	285	140	19	17
1-1/2"	40	305	400	170	31	36
2"	50	368	420	260	37.5	55

SIZE (Full Bore)		2500# RF/RJ/BW - DIMENSION in mm				
Inches	mm	A (RF/BW/RJ)	B	C	D	Kg (HANDWHEEL)
1/2"	15	264	270	120	11	14
3/4"	20	273	275	120	14	15
1"	25	308	290	140	19	28
1-1/2"	40	384	400	260	28	50
2"	50	451	480	260	35	75

ANSI CLASS
150 - 300 - 600 - 1500

PRESSURE – TEMPERATURE RATINGS TO ANSI B16.34

Temperature °C	WORKING PRESSURE (bar.g)			
	ASTM A105N (a)		ASTM A182 SS316 (c)	
	1500#	2500#	1500#	2500#
-29 to 38	255.5	425.5	248.3	413.8
93	232.8	387.9	213.4	355.9
149	226.2	377.2	192.8	321.4
204	218.6	364.1	177.2	295.2
260	206.6	344.1	164.8	274.5
316	188.6	314.5	155.5	259.3
343	185.2	308.6	153.1	255.2
371	183.8	306.2	149.7	249.7
399	173.8	289.7	147.2	245.5
427	142.1	236.6	145.5	242.8
454	92.4	153.8	144.1	240.0
482	59.3	98.6	143.1	238.6
510	35.5	59.3	133.1	222.1
538	17.9	29.7	120.7	201.0
566	-	-	118.6	197.6
593	-	-	105.2	175.5
621	-	-	81.7	135.9
649	-	-	63.8	106.6
677	-	-	50.7	84.8
704	-	-	40.3	66.9
732	-	-	33.1	55.2
760	-	-	25.2	43.4
788	-	-	20.0	33.4
816	-	-	14.1	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 1500-2500# RF