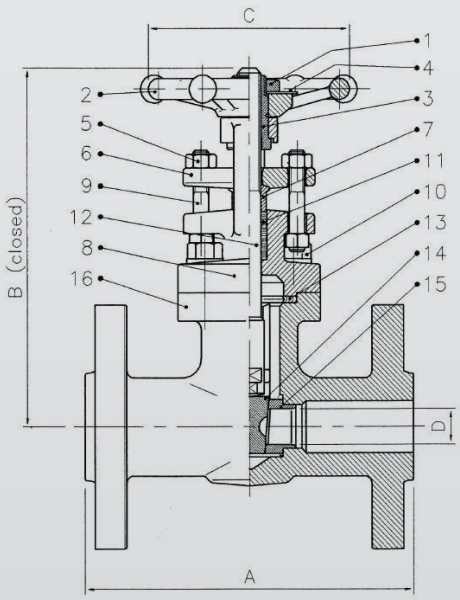
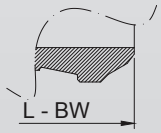
FORGED GATE VALVES





BW Welded-End version

150 Lbs

BASIC DESIGN STANDARDS

Basic Design	ISO 15761 – API 602
Wall Thickness / Pressure / Temperature	According to ANSI B16.34
Ends	SW according to ANSI B16.11 /
Dimensions	NPT-F according to ASME B1.20.1
Bore	Reduced & Full

TEST PRESSURE TO API 598 bar

Class	Shell (water)	Seat (water)	Seat (air)
150	30	22	6.0

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

		Carbon Steel		Alloy Steel	Stainless Steel
No	**Part Name**	**A105/F6 (**)**	**LF2/304**	**F11/F6 HF (**)**	**SS316**
01	Handwheel Nut	Carbon Steel	Carbon Steel	Carbon Steel	A194 Gr.8
02	Handwheel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel + Rislan
03	Yoke Sleeve	AISI 416	AISI 416	AISI 416	AISI 416
04	Name Plate	Aluminium	Aluminium	Aluminium	INOX
05	Gland Nuts	A194 Gr. 2H	A194 Gr. 2H	A194 Gr. 2H	A194 Gr.8
06	Gland Flange	ASTM A105N	ASTM A350 LF2	ASTM A182 F11	ASTM A316
07	Packing Gland	A479 TP316	A479 TP316	A479 TP316	A479 TP316L
08	Bonnet	ASTM A105N	ASTM A350 LF2	ASTM A182 F11	ASTM A182 F316L
09	Gland Studs	AISI 410	AISI 410	AISI410	A193 B8M
10	Bolts B/B	A193 B7	A193 B7	A193 B7	A193 B8
11	Packing	Graphoil	Graphoil	Graphoil	Graphoil
12*	Stem	A479 TP410	A479 TP304	A479 TP410	A479 TP316L
13	Gasket B/B	F316 + Graphoil	F316 + Graphoil	F316 + Graphoil	F316 + Graphoil
14*	Wedge	A479 TP410	A479 TP304	A479 TP410 + STL.6	A479 TP316L
15	Seat Ring	A479 TP410 (+STL.6**)	A479 TP304	A479 TP410 + STL.6	A479 TP316L
16	Body	ASTM A105N	ASTM A350 LF2	ASTM A182 F11	ASTM A182 F316L

(**) also available for rating 1500# Reduced Bore

* Recommended Spare Parts

AUDCO ITALIANA

Your Valve Specialist

AUDCO ITALIANA srl
Headquarter and plant
Via Carlo Dell'Acqua, 1 | 20027 Rescaldina (MI) - Italy
Tel. +39.0331.1561323 | Fax +39.0331.1561327
info@audco.it | **www.audco.it**

FORGED GATE VALVES CLASS 150 #

FORGED GATE VALVES

ANSI CLASS 150	PRESSURE – TEMPERATURE RATINGS TO ANSI B16.34									
Temperature	WORKING PRESSURE (bar.g)									
°C	Carbon Steel		Alloy Steel				Stainless Steel			
	WCB (a)	LCB (b)	WC6 (c)	WC9 (c)	C5 (g)	C12 (g)	CF8 (d)	CF8M (d)	CF3 (e)	CF3M (f)
-29 to 38	19.6	18.4	19.8	19.8	20	20	19	19	19	19
50	19.2	18.2	19.5	19.5	19.5	19.5	18.3	18.4	18.3	18.4
100	17.7	17.4	17.7	17.7	17.7	17.7	15.7	16.2	15.7	16.2
150	15.8	15.8	15.8	15.8	15.8	15.8	14.2	14.8	14.2	14.8
200	13.8	13.8	13.8	13.8	13.8	13.8	13.2	13.7	13.2	13.7
250	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
300	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
350	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
400	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
425	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
450	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
500	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
538	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
550	-	-	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
600	-	-	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
650	-	-	-	-	-	-	1.4	1.4	1.4	1.4
700	-	-	-	-	-	-	1.4	1.4	1.4	1.4
750	-	-	-	-	-	-	1.4	1.4	1.4	1.4
800	-	-	-	-	-	-	-		-	-

(a) Permissible, but not recommended for prolonged usage above 425 °C
(b) Not be used over 345 °C.
(c) Permissible, but not recommended for prolonged usage above 595 °C Flanged End valve ratings terminate at 538°C.
(d) At temperature above 538 °C, use only when carbon content is 0.04 % or higher. Flanged End valve ratings terminate at 538°C
(e) Not be used over 425 °C. Flanged End valve ratings terminate at 538°C.
(f) Not be used over 455 °C. Flanged End valve ratings terminate at 538°C.
(g) Flanged End valve ratings terminate at 538°C.

SIZE INCH	A (MM)	B (MM)	C (MM)	D (MM)
1/4"	/	/	/	/
3/8"	/	/	/	/
1/2"	108	159	90	15,8
3/4"	117,5	163	90	20,9
1"	127	187	100	26,6
1 1/4"	/	/	/	/
1 1/2"	165,1	231	140	40,9
2"	177,8	258	140	52,5

MADE IN ITALY

CE PED 2014/68/EU

AUDCO ITALIANA

Your Valve Specialist

AUDCO ITALIANA srl
Headquarter and plant
Via Carlo Dell'Acqua, 1 | 20027 Rescaldina (MI) - Italy
Tel. +39.0331.1561323 | Fax +39.0331.1561327
info@audco.it | **www.audco.it**