



about us :

Asa Atieh Petroleum Engineering Trading Company with the aim of supplying equipment Industrial, especially in the oil, gas and petrochemical industries, construction, steel and Water and sewage industries were established. Scientific and practical ability of the founder and The personnel of this company caused the guarantee of providing engineering consulting services To employers and also to provide equipment as soon as possible, from the most reputable brands And with the lowest price in foreign currency and Rials, it causes growth and prosperity. The more you participate. Due to the positive performance of the collection and gaining credibility In the industry and trade market, followed by receiving numerous requests and Diverse from employers, this set led to areas Another industry of the country came into action. Hence in the supply of equipment Power plant and valves, steel parts and fittings (knee, cap, tee Conversion and flange) has also taken many actions.

درباره ما :

شرکت مهندسی بازرگانی **پترو تجهیز آسا آتیه** با هدف تامین تجهیزات صنعتی بخصوص در صنایع نفت ، گاز و پتروشیمی ، ساختمان ، فولاد و صنایع آب و فاضلاب تاسیس گردید. توانایی علمی و عملی موسسین و پرسنل این شرکت موجب گردید تا ضمن ارائه خدمات مشاوره مهندسی به کارفرمایان و نیز تامین تجهیزات در اسرع زمان ، از معتبرترین برندها و با نازلترین قیمت به صورت ارزی و ریالی باعث رشد و بالندگی هر چه بیشتر شرکت شود . با توجه به عملکرد مثبت مجموعه و کسب اعتبار در بازار صنعت و تجارت و در پی آن دریافت درخواستهای متعدد و متنوع از سوی کارفرمایان، این مجموعه را بر آن داشت تا در حوزه های دیگری از صنعت کشور وارد عمل شود. از این رو در تامین تجهیزات نیروگاهی و شیرآلات ، قطعات و اتصالات فولادی (زانو ، کپ ، سه راهی تبدیل و فلنج) نیز اقدامات بسیاری انجام داده است .



Manufacturer of Valves, Parts ,customized joint and Parts according to approved standard.

Elbow
Tee
Cap
Flange

of all kinds of pipe
Sch 40, 80 , 160
Carbon steel

GPR: ASTM D3262 ,ASTM D3517, DIN16868, AWWA C950

Steel Alloy

A335 Gr.P11 , Gr.P12 ,Gr.P22 ,Gr.P91 / A691
1.1/4 Cr /A691 2.1/4 Cr.

زمینه فعالیت:

وارد کننده و تولید و تامین کننده:

تامین کننده انواع شیرآلات, قطعات و اتصالات فولادی بر طبق استاندارد

انواع لوله

کربن استیل

فولاد آلیاژی



Stainless steel

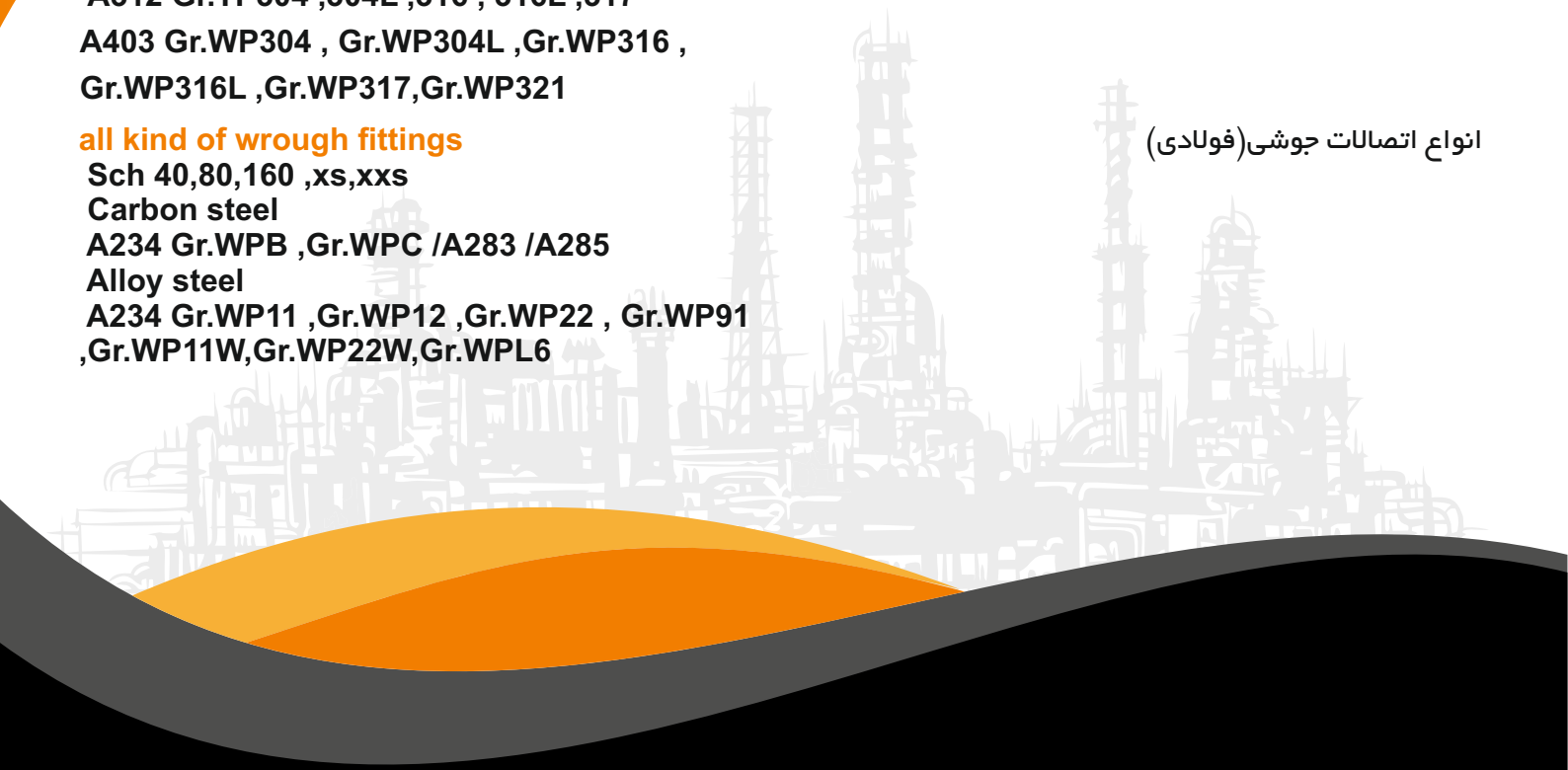
A312 Gr.TP304 ,304L ,316 , 316L ,317
A403 Gr.WP304 , Gr.WP304L ,Gr.WP316 ,
Gr.WP316L ,Gr.WP317,Gr.WP321

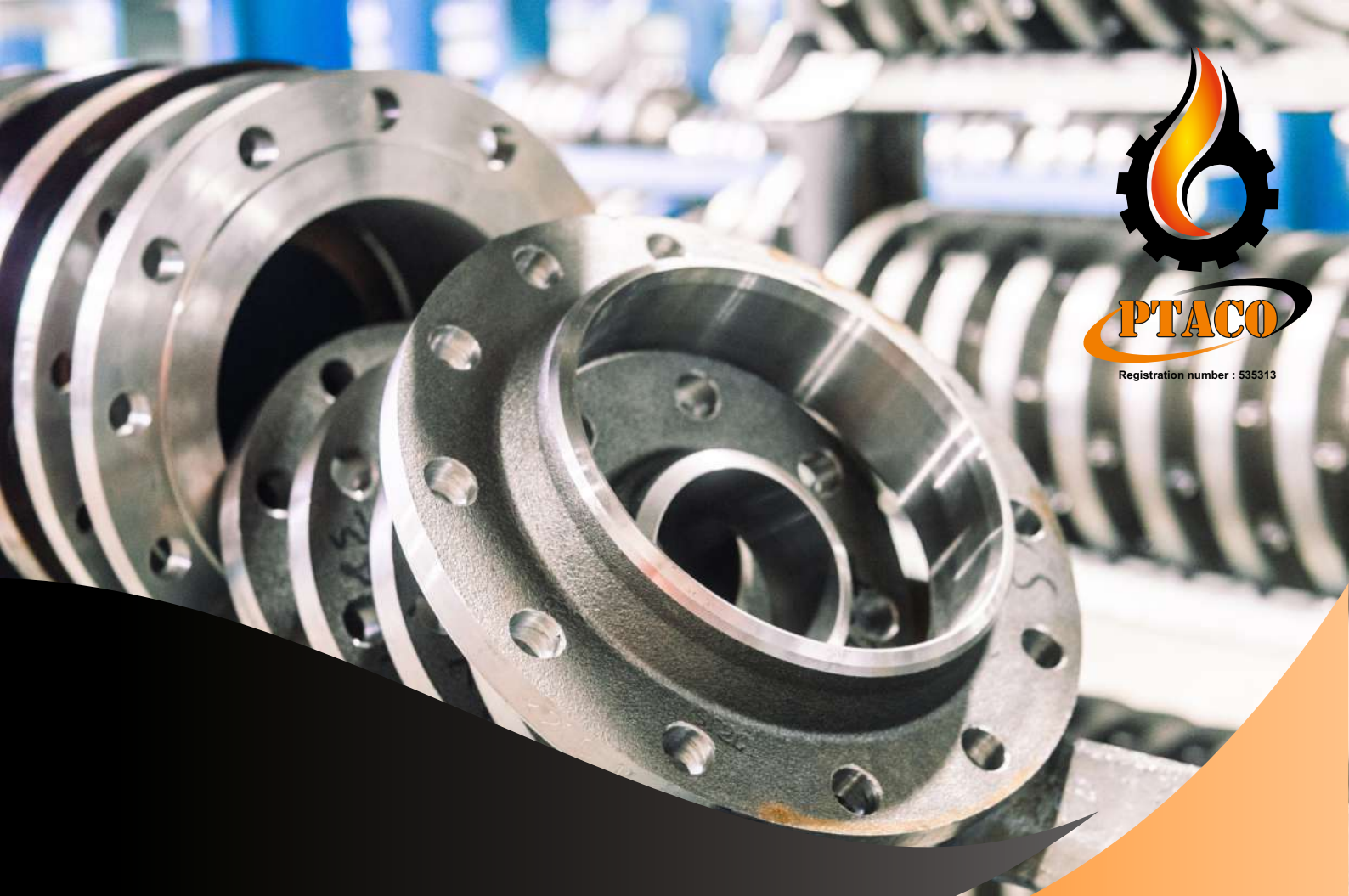
all kind of wrought fittings

Sch 40,80,160 ,xs,xxs
Carbon steel
A234 Gr.WPB ,Gr.WPC /A283 /A285
Alloy steel
A234 Gr.WP11 ,Gr.WP12 ,Gr.WP22 , Gr.WP91
,Gr.WP11W,Gr.WP22W,Gr.WPL6

فولاد ضدزنگ (استیل)

انواع اتصالات جوشی (فولادی)





Kind of flanges

Pn16 .PN40/CL150 ,300,600,900,1500

Carbon steel

A105

Alloy steel

A182 Gr.F11 ,Gr.F12,Gr.F22,Gr.F91

Stainless steel

A182 Gr.F304 ,Gr.F304L ,Gr.F316 , Gr.F316L ,Gr.F317

انواع فلنج

PN 25, PN 40 ,CL 150 ,300,600,800,900,1500

Carbon steel-Alloy steel -Stainless steel

Manual valves-control valves-electric motor operated valves.

Forged Valves= A105/ A182 -F11 ,F12 ,F22 ,F91 ,Gr.F304, Gr.F304L , Gr.F316 ,Gr.F317

Casting Valves= A216 Gr.WCB ,Gr.WCC /A217 ,Gr .WC6 ,Gr.WC9 ,Gr.C12A/ A351 Gr.CF8 ,Gr.CF3 ,Gr.CF8M ,CF3

Forged steel valves including Ball , Gate ,Globe an Check

Cast steel valves including Gate, Globe and Check

Cast & Forged steel floating Ball valves

Cast & Forged steel Trunnion Mounted Ball Valves

Wellhead Gate Valves

انواع شیر آلات



All kind of Plate

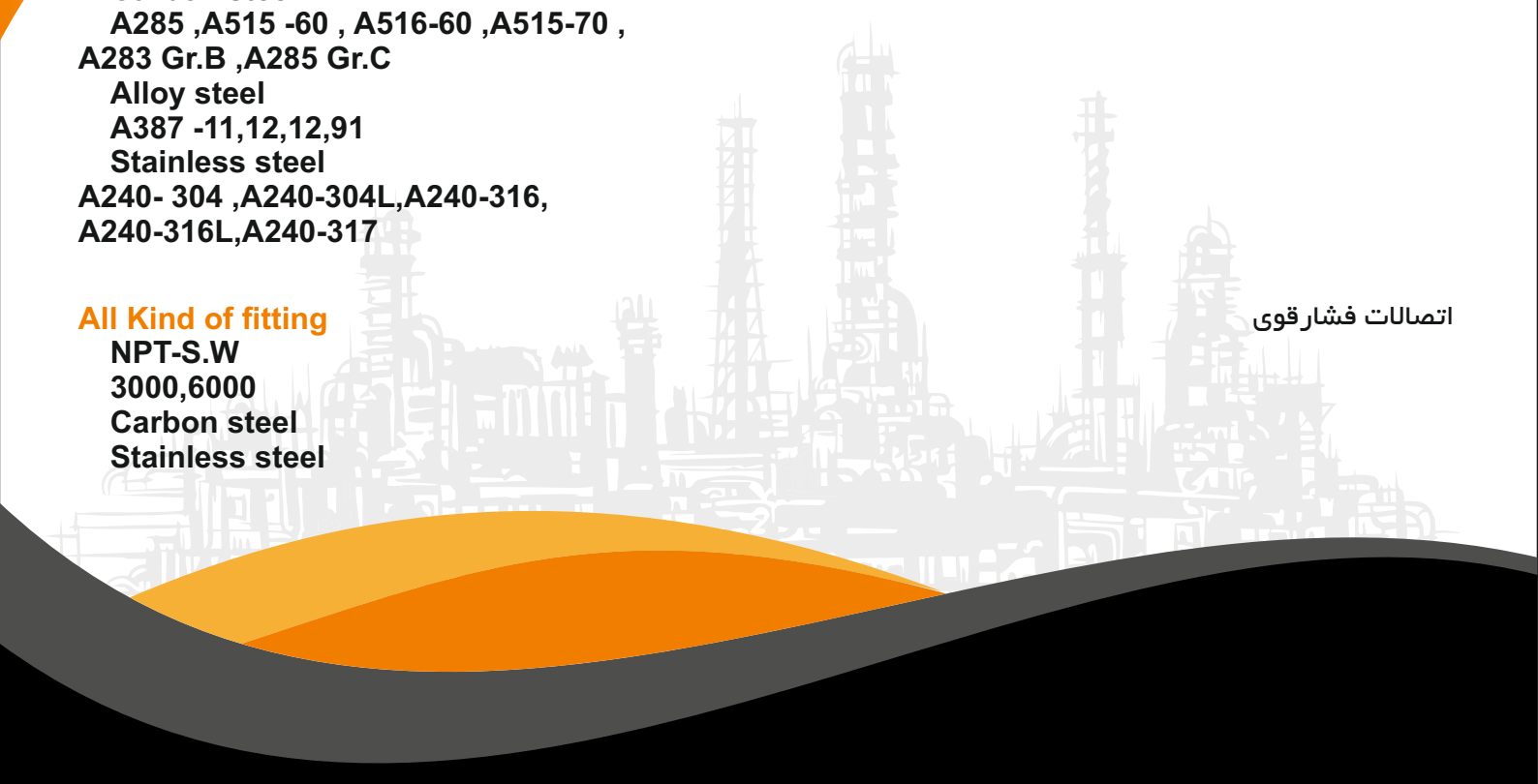
Carbon steel
A285 ,A515 -60 , A516-60 ,A515-70 ,
A283 Gr.B ,A285 Gr.C
Alloy steel
A387 -11,12,12,91
Stainless steel
A240- 304 ,A240-304L,A240-316,
A240-316L,A240-317

All Kind of fitting

NPT-S.W
3000,6000
Carbon steel
Stainless steel

انواع پلیت

اتصالات فشار قوی





All Kind of Instrument Valves & Fittings

Needle Valve, manifold, check and Proportional Relief Valve

Hexagonal Bar Stock Needle Valve:

Maximum working pressure

6000psi(414bar) at 100° F(38° C)

10000 psi(690bar) at 100°F(38°C)

Working temperature

-65°F(-54°C) to 464°F(240°C)

-65°F(-54°C) to 842°F(450°C)

High Pressure Ball Valve:

Maximum working pressure

6000psi(414bar) at 100°F(38°C)

Working temperature

From -65°F(-54°C) to 500°F(260°C) with PEEK seat

From -22°F(-30°C) to 265°F(130°C) with PVDF seat

From -315°F(-193°C) to 392°F(200°C) with Devlon® V-API seat

A316 stainless steel handle covered with vinyl sleeve gives quarter turn
rust-free operation

Two Ferrule Tube Fittings

316 Stainless steel ranging from 1/8" to 1"(6mm to 25mm) O.D

Temperature Ratings

316 stainless steel : 312°F to 1200°F(-196°C to 649°C)

انواع اتصالات و شیرآلات ابزار دقیق



توليدات :

Expansion Joint

لرزه گیرهای

• صنعتی

• لاستیکی

• آکاردئونی

• Flexible

سایز : ۱/۲" تا ۵۶"

Class:150 to 300

PN10 To PN40

Strainer

صافی

Type : T, Basket

Size Range: 4" to 30"

Class: 150 - 300 - 60

زمینه فعالیت و تامین پتاکو



صنایع نفت و گاز :

- ۱- پالایشگاه های نفت و گاز
- ۲- پتروشیمی ها
- ۳- انبار نفت و تلمبه خانه
- ۴- خطوط انتقال گاز
- ۵- گازرسانی به صنایع

صنایع چوب :

- ۱- کارخانجات تولید MDF
- ۲- کارخانجات تولید نئوپان
- ۳- کارخانجات تولید پارکت

صنایع فولاد سازی :

- ۱- کارخانجات تولید شمش
- ۲- کارخانجات تولید میلگرد

پتاکو ، تامین کننده مقاطع فولادی پروژه های زیر بوده است:



تامین پایپینگ دمای پروژه پکیج بویلر گچساران
تامین تجهیزات شیرآلات پروژه خط لوله تغذیه نیروگاه شماره 1 صبادهران
NGL3100

تامین **Fitting/Valve/Flange** پروژه پالایشگاه نفت ستاره خلیج فارس

تامین فلنج و اتصالات شرکت صنایع آذرآب

تامین **Pipe** های پروژه پتروشیمی کاویان

تامین متریل فلنج ترموول پروژه گچساران

تامین لوله های منطقه اقتصادی پارس جنوبی عسلویه

تامین متریل **Silencer** پروژه پالایشگاه اصفهان

تامین اقلام **Pipe** پروژه ساختمان های غیرصنعتی پالایشگاه گاز بیدبلند

تامین اتصالات و لوله مورد نیاز پالایشگاه گاز بیدبلند

تامین شیرآلات دستی پروژه آپادانا خلیج فارس

تامین **instrument pipes, tube&fitting** پروژه آپادانا خلیج فارس

تامین **Valve** پروژه بازوی بارگیری محصولات پروپان و بوتان پالایشگاه گاز

بیدبلند خلیج فارس

تامین اتصالات منطقه 8 عملیات گاز آذربایجان

تامین **fittings&pipes** پتروشیمی آپادانا خلیج فارس ، عسلویه (فاز دوم)

پارس جنوبی

تامین پایپینگ پروژه گندله سازی بهاباد

تامین میلگرد پروژه احیا چادرملو

نام برخی از برندهای اقلام پتاکو:

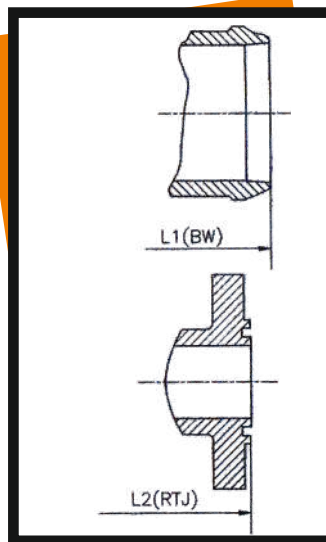
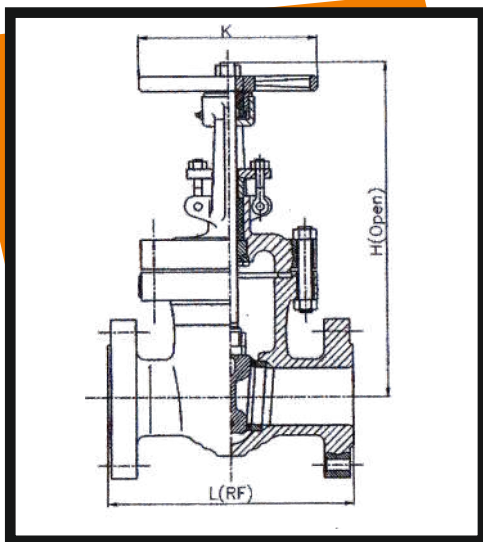
Pipes	Niko	Ukraine
	Metal steel	Romania
	Tenaris	Canada
	Interpipe	Ukraine
	Sumitomo	Japan
Wrought fittings	ASA	Iran
	Benkan	Japan
	IML	Italy
	T	Taiwan
	Sandvik	Sweden
	Ulma	Spain
Flanges	Ulma	Spain
	Ferrari	Italy
	Fad	Italy
	Galperti	Italy
	Melesi	Italy
High Pressure fitting	MEGA	Italy
	IML	Italy
	Bonney	Italy
	Ulma	Spain
	JDD	France
Instrument Pipe & Fitting	Parker	UK
	Swage lock	UK
Valves	Bonney	Italy
	KSB	Germany
	KITZ	Japan
	Nippon	Japan
	Metso	Germany
	Joucomtic	France
	OMB	Italy
	ORION	Italy
	Masoneilan	UK
	Durco	Germany
	Petro valve	Italy
Instrument	Parker	India
	Vee-Lok	Taiwan
	Cee-lok	Taiwan

Class 150 to 1500

Buttweld Ends Dimension : ASME B16.25



1	Body	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 WC5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
8	Bonnet	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 WC5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat	A105/13CR	A182 F304	420	420	420	420	304	316	304L	316L
3	Disc	A216WCB /12CR	A352 LCB13CR	A217WC1/13CR	A217WC6/13CR	A217WC9/13CR	A217WC5/13CR	A251 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F6	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
6	Bolts	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	Nuts	A194 2H	A194 4	A194 2H	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8
9	Back Seat Bushing	420	420	420	420	420	420	304	316	304L	316L
11	Lantern	420	420	420	420	420	420	304	316	304L	316L
12	Pins	Steel	Steel	Steel	Steel	Steel	Steel	S.S	S.S	S.S	S.S
13	Gland	420	420	420	420	420	420	304	316	304L	316L
14	Gland Flange	A216 WCB	A352 LCB	A216 WCB	A216 WCB	A216 WCB	A216 WCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
15	Gland Eyebolts	A193 B7	A320 L7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8
16	Nuts	A194 2H	A194 4	A194 2H	A194 2H	A194 2H	A194 2H	A193 8	A193 8	A193 8	A193 8
10	Packing	BRAIDED GRAPHITE OR DIE-FORMED GRAPHITE RING OR PTFE									
5	Gasket	REINFORCED FLAT GRAPHITE OR SS SPIRAL WOUND + GRAPHITE OR PTFE OR REINFORCED PTFE									
17	Stem Nut	A439-D2 OR A276-410 OR COPPER ALLOY									
18	Lock Nut	STEEL									
19	Hand wheel	DUCTILE IRON									
20	Hand wheel Nut	STEEL									
21	Lubricator	STEEL									
22	Nameplate	STAINLESS STEEL OR ALUMINUM									



**Dimensions
Class 150**

Size	inch	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
L(RF)	mm	178	191	203	229	267	292	330	356	381	406	432	457	508
L1(BW)	mm	216	241	283	305	403	419	457	502	572	610	660	711	813
L2(RTJ)	mm	191	203	216	241	279	305	343	368	394	419	445	470	521
H	mm	400	490	510	585	795	1015	1230	1465	1755	2030	2210	2510	2880
K	mm	200	200	250	300	350	350	400	450	500	500	600	750	750
WT	RF	kg	18	28	30	50	85	128	220	310	450	550	700	1230
	BW	kg	15	22	26	40	77	118	200	290	435	510	650	1100
	RTJ	kg	20	29	37	56	84	138	210	310	450	565	740	1125

**Dimensions
Class 300**

Size	inch	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	216	241	283	305	403	419	457	502	762	838	914	991	1143
L2(RTJ)	mm	232	257	298	321	419	435	473	518	778	854	930	1010	1165
H	mm	470	525	533	610	845	1050	1295	1600	1830	2035	2195	2470	2900
K	mm	200	200	250	300	350	350	400	450	500	500	600	750	750
WT	RF - BW	kg	24	44	48	73	145	226	350	580	715	1050	1235	2320
	RTJ	kg	20	35	37	54	110	174	285	495	615	940	1090	2100

**Dimensions
Class 600**

Size	inch	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L2(RTJ)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407
H	mm	495	550	615	735	1005	1245	1480	1730	1915	2050	2260	2620	2900
K	mm	200	250	300	350	450	500	600	750	850	850	960	960	1000
WT	RF - BW	kg	35	55	72	126	365	444	700	940	1310	1610	2070	3810
	RTJ	kg	32	47	64	103	218	374	570	830	1012	1217	1760	3200

**Dimensions
Class 900**

Size	inch	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
L2(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140	1232	1334	1568
H	mm	590	700	740	870	1120	1390	1592	1765	2025	2175	2510	2750	3240
K	mm	250	300	350	450	500	600	750	850	850	960	960	1000	1000
WT	RF - BW	kg	59	79	115	198	407	725	1091	2161	2161	3197	4409	7937
	RTJ	kg	53	71	103	178	366	652	981	1945	1945	2877	3968	7145

**Dimensions
Class 1500**

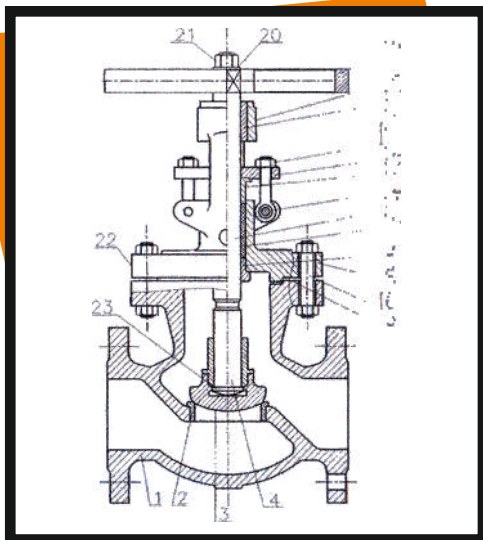
Size	inch	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943
L2(RTJ)	mm	371	422	473	549	711	841	1000	1146	1276	1407	1559	1686	1972
H	mm	615	705	750	927	1190	1525	1855	2185	2215	2380	2580	2195	3400
K	mm	250	350	350	450	600	750	850	850	960	960	1000	1000	1250
WT	RF - BW	kg	116	166	209	296	720	1275	2092	2951	4382	6355	8965	15862
	RTJ	kg	105	150	188	265	650	1145	1880	2655	3945	4752	8070	14275

Class 150 to 1500

Buttweld Ends Dimension : ASME B 16.25



Part name		Carbon Steel (ASTM)		Alloy Steel (ASTM)				Stainless Steel (ASTM)			
1	Body	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 WC5	A351 CF8	A351 CF8M	A351 Cf3	A351 CF3M
8	Bonnet	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 WC5	A351 CF8	A351 CF8M	A351 Cf3	A351 CF3M
2	Seat	A105 /13CR	A182 F304	420	420	420	420	304	316	304L	316L
3	Disc	A216WCB/13CR	A352 LCB / 13CR	A217WC1/13CR	A217WC6/13CR	A217WC9/13CR	A217WC5/13CR	A351 CF8	A351 CF8M	A351 Cf3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F6	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
6	Bolts	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	Nuts	A194 2H	A194 4	A194 2H	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8
9	Back Seat Bushing	420	420	420	420	420	420	304	316	304L	316L
11	Lantern	420	420	420	420	420	420	304	316	304L	316L
12	Pins	Steel	Steel	STEEL	STEEL	STEEL	STEEL	S.S	S.S	S.S	S.S
13	Gland	420	420	420	420	420	420	304	316	304L	316L
14	Gland Flange	A216 WCB	A352 LCB	A216 WCB	A216 WCB	A216 WCB	A216 WCB	A351 CF8	A351 CF8M	A351 Cf3	A351 CF3M
15	Gland Eyebolts	A193 B7	A320 L7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8
16	Nuts	A194 2H	A194 4	A194 2H	A194 2H	A194 2H	A194 2H	A193 8	A193 8	A193 8	A193 8
10	Packing	Braided Graphite or Die-formed Graphite Ring or PTFE									
5	Gasket	Reinforced Flat Graphite or S.S Spiral Wound + graphite or PTFE or Reinforced PTFE									
17	Stem Nut	A439-D2 or A276-410 or Copper Alloy									
18	Lubricator	Steel									
19	Hand wheel	Ductile Iron									
20	Hand wheel Washer	Steel									
21	Hand wheel Nut	Steel									
22	Nameplate	Stainless Steel or Aluminum									
23	Thrust Washer	A182 F6									



Dimensions

Class 150

Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18
L(RF) - L1(BW)	mm	203	216	241	292	356	406	495	622	698	787	914	978
L2(RTJ)	mm	216	229	254	305	368	419	508	635	711	800	927	991
H	mm	330	390	410	475	540	585	725	825	940	1200	1270	1300
K	mm	200	250	250	300	350	350	450	500	600	600	650	650
WT(RF)	kg	23	29	40	59	95	115	178	268	385	540	760	1050

Dimensions

Class 300

Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16
L(RF) - L1(BW)	mm	267	292	318	356	400	444	559	622	711	838	863
L2(RTJ)	mm	283	308	333	371	416	460	575	638	727	854	879
H	mm	350	425	485	520	565	655	825	920	1155	1125	1295
K	mm	200	250	300	300	350	350	500	600	700	700	450*
WT(RF)	kg	30	45	60	83	135	162	265	375	525	765	1100

Dimensions

Class 600

Size	inch	2	2-1/2	3	4	5	6	8	10
L(RF) - L1(BW)	mm	292	330	356	432	508	559	660	787
L2(RTJ)	mm	295	333	359	435	511	562	664	791
H	mm	420	490	550	590	620	700	950	1140
K	mm	250	300	300	350	500	500	600	600
WT(RF)	kg	39	61	76	122	210	245	447	692

Dimensions

Class 900

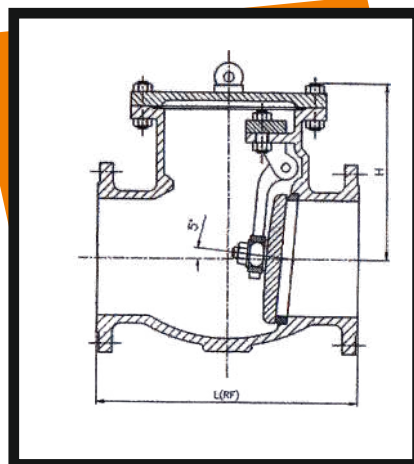
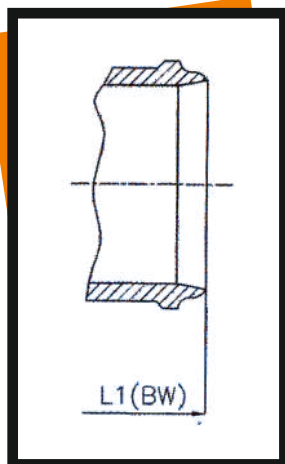
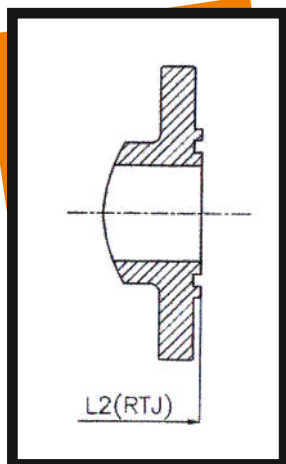
Size	inch	2	2-1/2	3	4	5	6	8
L(RF) - L1(BW)	mm	368	419	381	457	559	610	737
L2(RTJ)	mm	371	422	384	460	562	613	740
H	mm	495	540	600	655	670	780	1050
K	mm	300	350	350	500	500	350*	350*
WT(RF)	kg	96	79	117	178	305	355	730

Dimensions

Class 1500

Size	inch	2	2-1/2	3	4	6
L(RF) - L1(BW)	mm	368	419	470	546	705
L2(RTJ)	mm	371	422	473	549	711
H	mm	550	580	625	750	925
K	mm	300	350	400	450	600
WT(RF)	kg	116	125	145	210	475

Part name		Carbon Steel (ASTM)		Alloy Steel (ASTM)				Stainless Steel (ASTM)			
1	Body	A216 WCB	A352 LCB	A217 WCI	A217 Wc6	A217 Wc9	A217 C5	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
2	Cover	A216 WCB	A352 LCB	A217 WCI	A217 Wc6	A217 Wc9	A217 C5	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
3	Hing	A216 WCB	A352 LCB	A217 WCI	A217 Wc6	A217 Wc9	A217 C5	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
4	Arm	A216 WCB	A352 LCB	A217 WCI	A217 Wc6	A217 Wc9	A217 C5	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
6	Bolt	A193 B7	A193 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	Nut	A194 2H	A194 4	A194 2H	A194 4	A194 4	A194 4	A194 4	A194 8	A194 3	A194 8
8	Disc Nut	420	316	420	420	420	420	316	316	316	316
9	Set Screw	420	316	420	420	420	420	316	316	316	316
11	Disc	A216 WCB/13CR	A352LCB/13CR	A217WCI/13CR	A217 WC6/13CR	A217 WC9/13CR	A217 C5/13CR	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
13	Seat Ring	A105/13CR	316	A105/13CR	A105/13CR	A105/13CR	A105/13CR	304	316	304L	316L
12	Nameplate	Stainless Steel or Aluminum									
10	Hook Screw	Steel									
5	Gasket	Reinforced Flat Graphite or SS Spiral Wound + Graphite or PTFE or Reinforced PTFE									



Dimensions															
Class 150															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	203	216	241	292	330	356	495	622	699	787	864	978	978	1295
L2(RTJ)	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308
H	mm	155	190	200	226	245	260	350	390	410	435	530	570	625	675
WT(RF)	kg	16	25	34	46	75	89	120	220	337	471	575	788	916	1275

Dimensions															
Class 300															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L(RF) - L1(BW)	mm	267	292	318	355	400	445	533	622	711	838	863	977	1016	1346
L2(RTJ)	mm	283	308	333	371	416	460	549	638	727	854	879	994	1036	1368
H	mm	180	200	225	240	275	310	370	410	440	500	545	605	675	785
WT(RF)	kg	26	32	53	73	110	157	234	384	450	650	800	970	1350	2210

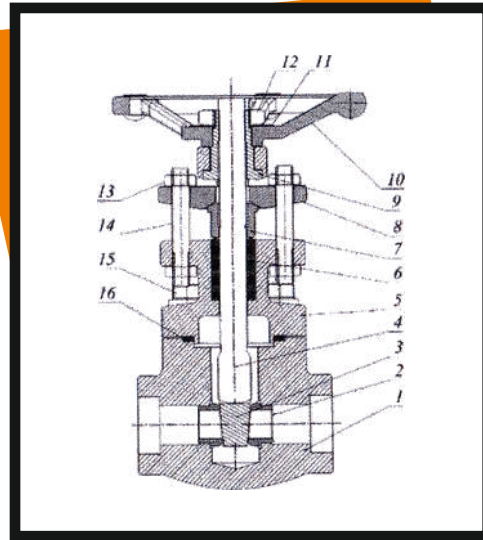
Dimensions															
Class 600															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	
L(RF) - L1(BW)	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	
L2(RTJ)	mm	295	333	359	435	511	562	664	791	841	892	994	1095	1200	
H	mm	190	215	250	260	310	350	420	490	525	580	630	690	810	
WT(RF)	kg	33	49	62	95	120	195	360	465	725	875	1075	1475	1900	

Dimensions															
Class 900															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14				
L(RF) - L1(BW)	mm	368	419	381	457	559	610	737	837	965	1029				
L2(RTJ)	mm	371	422	384	460	562	613	740	841	968	1038				
H	mm	195	235	260	275	320	370	435	520	530	580				
WT(RF)	kg	55	70	90	135	165	295	525	900	1075	1225				

Application Standard

- Design and manufacture Conform to
API 602 , BS5352 ,ANSI 16.34
- Connection ends conform to:
 - 1- Socket Welded dimension conform to ANSI B16.11
 - 2- Screw ends dimension conform to ANSI B16 .20.1
 - 3- Butt-Welded conform to ANSI B16.25
 - 4- Flanged ends conform to ANSI B16.5
- Test and inspection conform to API 598
- Materials conform to ANSI/ASTM

- 01 BODY
- 02 SEAT
- 03 WEDGE
- 04 STEM
- 05 BONNET
- 06 PACKING
- 07 PACKING GLAND
- 08 GLAND FLANGE
- 09 STEM NUT
- 10 HAND WHEEL
- 11 NAME PLATE
- 12 HAND WHEEL NUT
- 13 GLAND NUT
- 14 GLAND BOLT
- 15 BODY BOLT
- 16 SPIRAL WOUND GASKET



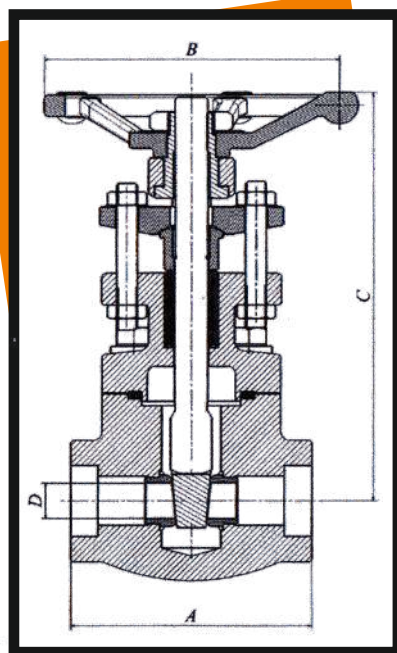
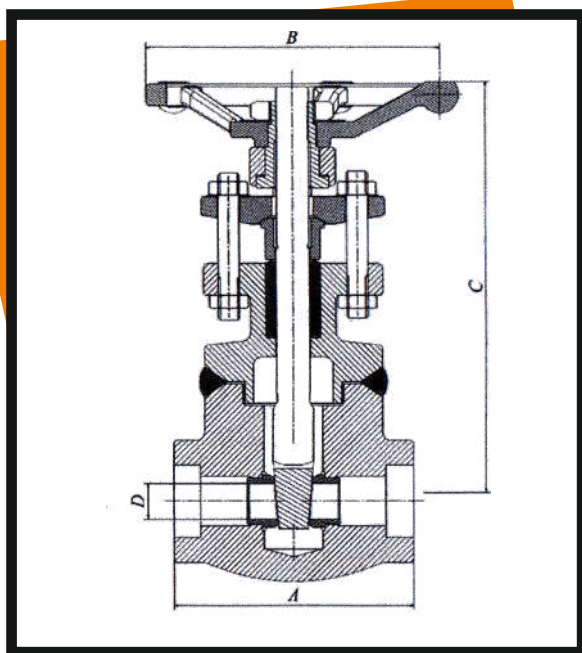
Material list

Valve Parts	Materials				
	Carbon Steel	Killed Carbon Steel	Alloy Steel	Stainless Duplex Steel	Nickel Steel
Body Bonnet	A 105 A 105N	A350/LF2	A182/F1 A182/F5 A182/F9 A182/F11 A182/F22 F44 F51 F53 F55	A182/F304 A182/F304L A182/F316 A182/F316L A182/F321 A182/F347	MONEL 400 INCONEL 600 INCONEL 625 INOLOY800H INCOLOY 825 HASTELLOY C276 HASTELLOY B2
Stem, Wedge/ Disc , Seat/S	A 276/410 A 182/F6 A 182/F304 A 182/F316	A 182/F6 A 182/F304 A 182/F316 F44 F51 F53 F55	A182/F6 A182/F304 A182/F316 F44 F51 F53 F55	A182/F304 A182/F316 A182/F321 A182/F347	MONEL 400 INCONEL 600 INCONEL 625 INOLOY800H INCOLOY 825 HASTELLOY C276 HASTELLOY B2
Gland Packing	A 276/420 AISI 416/303/316	A 276/420 AISI 416/303/316	A276/420 AISI 416/303/316	AISI 303/316	AISI 303/316
Stem Nut	A 276/420 AISI 416	AISI 416	AISI 416	AISI 416	AISI 416
Gland Flange	A 105 A 105N	A 105 A 105N	A 182/F304	A 182/F304	A 182/F304
Handwheel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel
Hand. Nut Gasket	Carbon Steel Spiral Wound Graphited	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound
Packing	Absetos Graphite	Graphite	Graphite	Graphite	Graphite
Bonnet Bolting	A 193/B7	A 193/B8	A 193/B16	A 193/B8	A 193/B8
Body Studs	A193/B7	A 193/B8	A 193/B16	A 193/B8	A 193/B8
Body Nuts	A194/2H	A 194/Gr8	A 194/Gr4	A 194/Gr8	A 194/Gr8
Gland Studs	A 276/304,AISI	A 193/B8	AISI 410	A 193/B8	A 193/B8
Gland Nuts	410, A 276/304 A194/2H	A 194/Gr8	A194/2H	A 194/Gr8	A 194/Gr8
Name Plate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum

Bolted Bonnet

Class800

Reduced Bore		-----		1/2		3/4		1		1.1/4		1.1/2		2		-----	
Standard Bore		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	80	3.15	80	3.15	90	3.54	110	4.33	127	5.00	127	5.00	130	5.12	150	5.91
Dia .of Hand wheel	B	90	3.54	90	3.54	90	3.54	100	3.94	120	4.72	140	5.51	140	5.51	200	7.87
Center to Top Open	C	143	5.63	145	5.71	156	6.14	186	7.32	216	8.50	255	10.04	273	10.75	334	13.15
Dia .Of Bore	D	8.5	0.33	10	0.39	14	0.55	18	0.71	24	0.94	31	1.22	36.5	1.44	48	1.89
Approx. weight	Kg/Lb	1.8	4.0	1.8	4.0	2.2	4.8	3.4	7.5	5.3	11.7	7.1	15.6	9.2	20.2	14.2	31.2



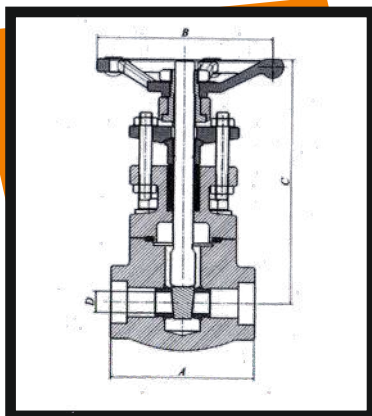
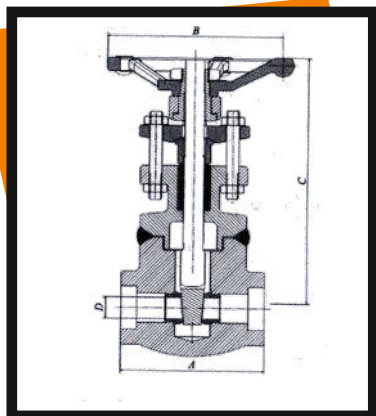
Welded Bonnet

Class800

Reduced Bore		-----		1/2		3/4		1		1.1/4		1.1/2		2		-----	
Standard Bore		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	80	3.15	80	3.15	90	3.54	110	4.33	127	5.00	127	5.00	130	5.12	150	5.91
Dia .of Hand wheel	B	90	3.54	90	3.54	90	3.54	100	3.94	120	4.72	140	5.51	140	5.51	200	7.87
Center to Top Open	C	150	5.91	145	5.71	157	6.18	188	7.40	220	8.66	248	9.76	274	10.79	334	13.15
Dia .Of Bore	D	8.5	0.33	10	0.39	14	0.55	18	0.71	24	0.94	31	1.22	36.5	1.44	48	1.9
Approx. weight	Kg/Lb	1.5	3.3	1.8	4.0	1.8	4.0	2.9	6.4	4.5	9.9	5.7	12.5	7.7	16.9	12.2	26.8

Forged Steel Gate Valve

Main Dimension And Weight



Bolted Bonnet

Class1500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	115	4.53	130	5.12	210	8.27	240	9.45
Dia .of Hand wheel	B	120	4.72	175	6.89	175	6.89	260	10.24	260	10.24
Center to Top Open	C	212	8.35	256	10.09	272	10.79	411	16.18	422	16.6
Dia .Of Bore	D	11.5	0.45	15	0.59	19.5	0.77	32	1.26	40	1.57
Approx. weight	Kg/Lb	5.9	13.0	8.4	18.5	9.8	21.6	26.8	59.0	35.4	77.9

Welded Bonnet

Class1500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	90	3.54	110	4.33	127	5.00	130	5.12	150	5.90
Dia .of Hand wheel	B	120	4.72	175	6.89	175	6.89	200	7.87	260	10.24
Center to Top Open	C	175	6.88	217	8.54	234	9.54	295	11.61	375	14.76
Dia .Of Bore	D	11.5	0.45	15	0.59	19.5	0.77	32	1.26	40	1.57
Approx. weight	Kg/Lb	2.0	4.4	3.2	7.0	4.9	10.8	8.5	18.7	15	33

Bolted Bonnet

Class2500

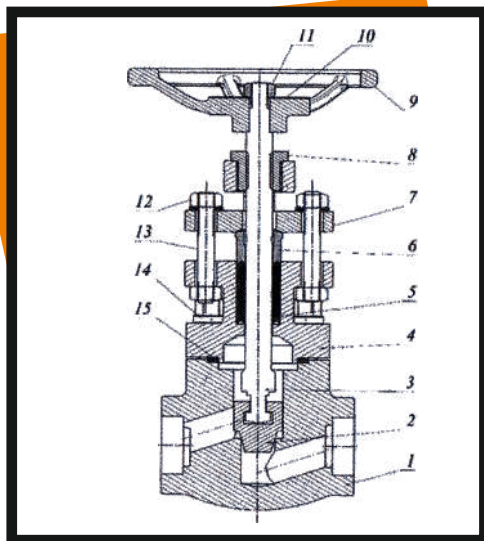
Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	115	4.53	130	5.12	210	8.27	240	9.45
Dia .of Hand wheel	B	140	5.51	200	7.87	200	7.87	260	10.24	350	13.7
Center to Top Open	C	212	8.36	256	10.08	272	10.71	411	16.18	422	16.61
Dia .Of Bore	D	10	0.48	14	0.55	18	0.71	31	1.22	36.5	1.44
Approx. weight	Kg/Lb	6.1	13.4	8.7	19.1	10.2	22.4	27.4	60.3	36.2	79.6

Welded Bonnet

Class2500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	127	5.00	127	5.00	150	5.91	240	9.45
Dia .of Hand wheel	B	140	5.51	200	7.87	200	7.78	260	10.24	350	13.78
Center to Top Open	C	198	7.80	225	8.85	243	9.57	387	15.24	403	15.87
Dia .Of Bore	D	10	0.39	14	0.55	18	0.71	31	1.22	36.5	1.44
Approx. weight	Kg/Lb	2.6	5.72	4.0	8.8	5.9	13.0	10.0	22.0	29	63.8

- Design and manufacture Conform to Bs5352 MSS SP-118
- Connection ends conform to:
 - 1- Socket Welded dimension conform to ANSI B16.11
 - 2- Screw ends dimension conform to ANSI B16 .20.1
 - 3- Butt-Welded conform to ANSI B16.25
 - 4- Flanged ends conform to ANSI B16.5
- Test and inspection conform to API 598
- Materials conform to ANSI/ASTM



- | | |
|------------------|------------------------|
| 01 BODY | 10 NAME PLATE |
| 02 DISC | 11 HAND WHEEL NUT |
| 03 STEM | 12 GLAND NUT |
| 04 BONNET | 13 GLAND BOLT |
| 05 PACKING | 14 BODY BOLT |
| 06 PACKING GLAND | 15 SPIRAL WOUND GASKET |
| 07 GLAND FLANGE | |
| 08 STEM NUT | |
| 09 HAND WHEEL | |

Material list

Valve Parts	Materials				
	Carbon Steel	Killed Carbon Steel	Alloy Steel	Stainless Duplex Steel	Nickel Steel
Body Bonnet	A 105 A 105N	A350/LF2	A182/F1 A182/F5 A182/F9 A182/F11 A182/F22 F44 F51 F53 F55	A182/F304 A182/F304L A182/F316 A182/F316L A182/F321 A182/F347	MONEL 400 INCONEL 600 INCONEL 625 INOLOY800H INCOLOY 825 HASTELLOY C276 HASTELLOY B2
Stem, Wedge/ Disc , Seat/S	A 276/410 A 182/F6 A 182/F304 A 182/F316	A 182/F6 A 182/F304 A 182/F316 F44 F51 F53 F55	A182/F6 A182/F304 A182/F316 F44 F51 F53 F55	A182/F304 A182/F316 A182/F321 A182/F347	MONEL 400 INCONEL 600 INCONEL 625 INOLOY800H INCOLOY 825 HASTELLOY C276 HASTELLOY B2
Gland Packing	A 276/420 AISI 416/303/316	A 276/420 AISI 416/303/316	A276/420 AISI 416/303/316	AISI 303/316	AISI 303/316
Stemke Nut	A 276/420 AISI 416	AISI 416	AISI 416	AISI 416	AISI 416
Gland Flange	A 105 A 105N	A 105 A 105N	A 182/F304	A 182/F304	A 182/F304
Handwheel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel	Ductile Iron Carbon Steel
Hand. Nut Gasket	Carbon Steel Spiral Wound Graphited	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound	Carbon Steel Spiral Wound
Packing	Absetos Graphite	Graphite	Graphite	Graphite	Graphite
Bonnet Bolting	A 193/B7	A 193/B8	A 193/B16	A 193/B8	A 193/B8
Body Studs	A193/B7	A 193/B8	A 193/B16	A 193/B8	A 193/B8
Body Nuts	A194/2H	A 194/Gr8	A 194/Gr4	A 194/Gr8	A 194/Gr8
Gland Studs	A 276/304,AISI	A 193/B8	AISI 410	A 193/B8	A 193/B8
Gland Nuts	410, A 276/304 A194/2H	A 194/Gr8	A194/2H	A 194/Gr8	A 194/Gr8
Name Plate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum

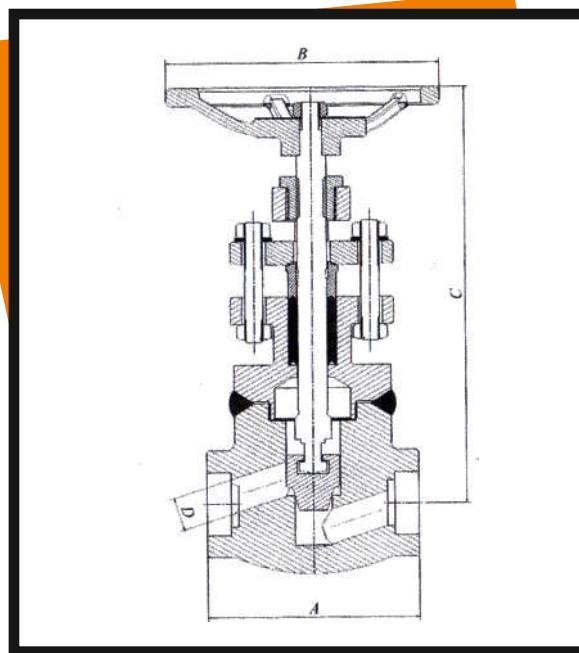
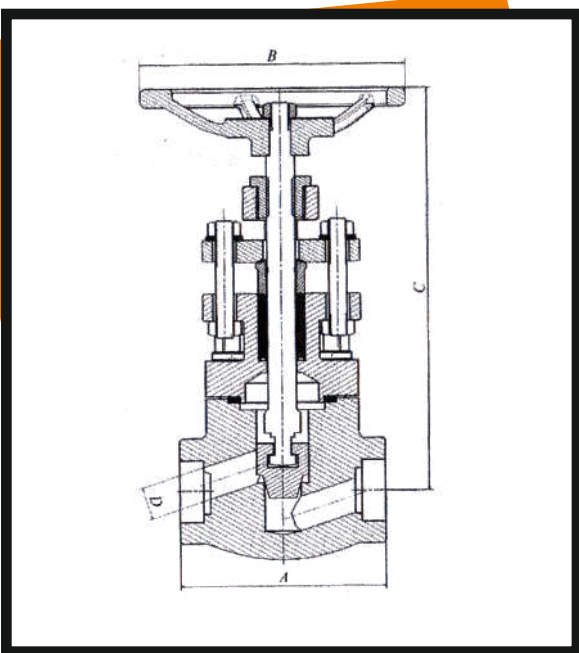
Forged Steel Gate Valve Outside Screw & Yoke - SW/NPT



Bolted Bonnet

Class800

Reduced Bore		-----		1/2		3/4		1		1.1/4		1.1/2		2		-----	
Standard Bore		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	80	3.15	80	3.15	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.27
Dia .of Hand wheel	B	90	3.54	90	3.54	90	3.54	100	3.94	120	4.72	140	5.51	140	5.51	200	7.87
Center to Top Open	C	150	5.91	152	5.98	159	.26	182	7.17	214	8.43	283	11.14	306	12.05	327	12.87
Dia .Of Bore	D	6	0.24	9	0.35	12.5	0.49	17.5	0.69	22.5	0.89	28	1.10	32	1.26	40	1.57
Approx. weight	Kg/Lb	1.8	4.0	1.8	4.0	2.1	4.6	3.3	7.3	5.4	11.9	7.9	17.4	10.7	23.5	16	35.2



Welded Bonnet

Class800

Reduced Bore		-----		1/2		3/4		1		1.1/4		1.1/2		2		-----	
Standard Bore		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	80	3.15	80	3.15	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.27
Dia .of Hand wheel	B	90	3.54	90	3.54	90	3.54	100	3.94	120	4.72	140	5.51	140	5.51	200	7.87
Center to Top Open	C	150	5.91	153	6.02	158	6.22	179	7.05	220	8.66	250	9.84	274	10.79	327	12.87
Dia .Of Bore	D	6.5	0.26	9	0.35	12.5	0.49	17.5	0.69	22.5	0.89	28	1.10	32	1.26	38	1.50
Approx. weight	Kg/Lb	1.4	3.1	1.4	3.1	1.6	3.5	3.0	6.6	4.8	10.7	6.8	15.0	9.4	20.7	14.6	32.1



Bolted Bonnet

Class1500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	115	4.53	118	5.12	210	8.27	240	9.45
Dia .of Hand wheel	B	120	1.72	175	6.89	175	6.89	260	10.24	260	10.24
Center to Top Open	C	218	8.05	274	10.79	286	11.26	427	16.8	433	17.05
Dia .Of Bore	D	11	0.43	14.5	0.57	19	0.57	31	1.22	37.5	1.48
Approx. weight	Kg/Lb	5.6	12.3	8.0	17.6	9.3	20.5	26.2	57.6	34.5	75.9

Welded Bonnet

Class1500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	90	3.54	110	4.33	127	5.00	170	6.69	210	8.26
Dia .of Hand wheel	B	120	4.72	175	6.89	175	6.89	200	7.87	260	10.24
Center to Top Open	C	203	7.99	227	8.94	233	9.17	310	12.20	402	15.83
Dia .Of Bore	D	11	0.43	14.5	0.57	19	0.75	31	1.22	37.5	1.48
Approx. weight	Kg/Lb	1.9	4.2	3.3	7.4	5.2	11.4	10.3	22.7	17.8	39.16

Bolted Bonnet

Class2500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	115	4.52	130	5.12	210	8.27	240	9.45
Dia .of Hand wheel	B	140	5.51	200	7.87	200	7.87	260	10.24	350	13.77
Center to Top Open	C	218	8.38	260	10.24	268	10.55	427	16.81	433	17.05
Dia .Of Bore	D	10	0.39	13	0.51	18	0.71	25	0.9	34	1.33
Approx. weight	Kg/Lb	5.8	13.0	8.3	18.3	9.7	21.3	26.8	59.0	35.3	77.7

Welded Bonnet

Class2500

Standard Bore		1/2		3/4		1		1.1/2		2	
		mm	in	mm	in	mm	in	mm	in	mm	in
End to End	A	110	4.33	127	4.33	155	6.10	210	8.27	240	9.45
Dia .of Hand wheel	B	140	5.51	200	7.87	200	7.87	260	10.24	350	13.78
Center to Top Open	C	209	8.22	238	9.37	257	10.11	386	15.20	407	16.02
Dia .Of Bore	D	10	0.39	13	0.51	18	0.71	25	0.98	34	1.33
Approx. weight	Kg/Lb	2.6	5.5	4.1	9.0	6.2	13.6	11.8	68.0	28	61.6