ACHECH VALVE

TECHNICAL INFORMATION

TECHNICAL INFORMATION

MATERIAL CONVERSION TABLE

ASTM			JIS		DIN		USED BOLT/NUT(ASTM)	
FORGED	CAST	BARSTOCK	FORGED	CAST	FORGED	CAST	BOLT	NUT
A105	A216-WCB	A105	SFVC2A	SCPH2	1.0402	1.0619	A193-B7	A194-2H
A350-LF2	A352-LCB	A350-LF2	SFL2	SCPL1	1.0508	1.1156	A320-L7	A194-4
A350-LF3	A352-LC3	A350-LF3	SFL3	SCPL31	1.5637	1.5638	A320-L7	A194-4
A182-F1	A217-WC1	A182-F1	SFVA F1	SCPH11	1.5415	1.5419	A193-B16	A194-4
A182-F5	A217-C5	A182-F5	SFVA F5D	SCPH61	1.7362	1.7353	A193-B16	A194-4
A182-F9	A217-C12	A182-F9	SFVA F9	—	1.4021	—	A193-B16	A194-4
A182-F11	A217-WC6	A739-B11	SFVA F11A	SCPH21	1.7733	1.7357	A193-B16	A194-4
A182-F22	A217-WC9	A739-B22	SFVA F22A	SCPH32	1.7380	1.7379	A193-B16	A194-4
A182-F6	A217-CA15	A276/A479-410	SUS410	SCS1	1.4006	—	—	—
A182-F304	A351-CF8	A276/A479-304	SUS-F304	SCS13A	1.4301	1.4308	A193-B8	A194-8
A182-F304L	A351-CF3	A276/A479-304L	SUS-F304L	SCS19A	1.4306	1.4309	A193-B8	A194-8
A182-F316	A351-CF8M	A276/A479-316	SUS-F316	SCS14A	1.4401	1.4408	A193-B8	A194-8
A182-F316L	A351-CF3M	A276/A479-316L	SUS-F316L	SCS16A	1.4404	1.4409	A193-B8	A194-8
A182-F321	—	A276/A479-321	SUS-F321	—	1.4541	—	A193-B8	A194-8
A182-F347	A351-CF8C	A276/A479-347	SUS-F347	SCS21	1.4550	1.4452	A193-B8	A194-8
A182-F304H	A351-CF10	A276/A479-304H	SUS-F304H	—	1.4948	—	A193-B8	A194-8
A182-316H	A351-CF10M	A276/A479-316H	SUS-F316H	—	—	—	A193-B8	A194-8
A182-F317	A351-CG8M	A276/A479-317	SUS-F317	—	1.4449	—	A193-B8	A194-8
A182-F317L	A351-CG3M	A276/A479-317L	SUS-F317L	—	1.4438	—	A193-B8	A194-8
A182-F310	A351-CK20	A276/A479-310	SUS-F310	SCS18	1.4845	—	A193-B8	A194-8
B462NO8020	A351-CN7M	B473NO8020	ALLOY 20	SCS23	2.4660	—	A193-B8M	A194-8M
B160NO2200	A494CZ-100	B160NO2200	NICKEL 200		2.4066	—	A193-B8M	A194-8M
B160NO2201	A494CZ-100	B160NO2201	NICKEL 201		2.4068	—	A193-B8M	A194-8M
B564NO4400	A494 M-35	B164NO4400	MONEL 400		2.4360	—	A193-B8M	A194-8M
B564NO6600	A494 CY40	B166NO6600	INCONEL 600		2.4816	—	A193-B8M	A194-8M
B564NO6625	A494CW-6MC	B446NO6625	INCONEL 625		2.4856	—	A193-B8M	A194-8M
B564NO8800	—	B408NO8800	INCOLOY 800		—	—	A193-B8M	A194-8M
B425NO8825	—	B425NO8825	INCOLOY 825		2.4858	—	A193-B8M	A194-8M
B335N1001	A494N-12MV	B335N10001	HASTELLOY-B		—	—	A193-B8M	A194-8M
B335N10665	A494N-7M	B335N10665	HASTELLOY-B2		2.4617	2.4810	A193-B8M	A194-8M
B564N10276	A494CW-12MW	B574NO10276	HASTELLOY-C276		2.4819	2.4537	A193-B8M	A194-8M
B574NO6455	A494CW-2M	B574NO6455	HASTELLOY-C4		2.4610	—	A193-B8M	A194-8M
B574NO6022	A494CW-6M	B574NO6022	HASTELLOY-C22		2.4602	—	A193-B8M	A194-8M

*A193-B8M / A194-8M CAN BE SUBSTITUTED FOR A193-B8 / A194-8

API.CE.ISO CERTIFIED

WORKING TEMPERATURE OF VALVE BODY & SEAT MATERIAL

MATERIAL	LOWER (°F)	UPPER (°F)	MATERIAL	LOWER (°F)	UPPER (°F)
Cast Iron	-20	410	Titanium		600
Ductile Iron	-20	650	Nickel	-325	600
Carbon Steel (Grabe WCB)	-20	1000	Alloy 20	-50	600
Carbon Steel (Grabe LCB)	-50	650	Type 416 Stainless Steel 40Rc	-20	800
Carbon Moly (Grade WC1)	-20	850	Type 440 Stainless Steel 60Rc	-20	800
1 -1/4 Cr-1/2 Mo (Grade WC6)	-20	1000	17-4 PH	-40	800
2-1/4 Cr-1 Mo (Grade WC9)	-20	1050	Alloy 6 (Co-Cr)	-460	1500
5 Cr-1/2 Mo (Grade C5)	-20	1100	Electroless Nickel Plating	-450	800
9 Cr-1 Mo (Grade C12)	-20	1100	Chrome Plating	-450	1100
3-1/2 Ni (Grade LC3)	-150	650	Aluminum Bronze	-460	600
Aluminum	-325	400	Nitrile (Buna-N)	-40	200
Type 304 Stainles Steel	-450	600	Fluoroelastomer (Vition Land Fluore12)	-10	400
Type 347 (Grade CF8C)	-425	1500	Graphoil	-400	3000
Type 316 Stainless Steel	-450	600	Nylon	-100	200
Bronze	-460	450	Polyethylence	-100	200
Inconel	-400	1200	Neoprene	-40	180
K Monel	-400	900	PTFE	-320	392
Monel	-400	900	PTFE+25% Carbon	-148	428
Hastelloy B		700	Devlon	-193	347
Hastelloy C		1000	Peek	14	572

TECHNICAL INFORMATION

ANSI B16.34 PRESSURE TEMPERATURE RATINGS

Material	A105(a)(b),A350 LF2(a)&A216WCB (a)							A182F5 & A217 C5 (c)							A182 F9 & A217 C12 (c)						
Temperature	MAXIMUM PRESSURE PSIG							MAXIMUM PRESSURE PSIG							MAXIMUM PRESSURE PSIG						
°F	°C	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500
>100	>38	285	740	1480	1975	2220	3705	6170	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250
200	93	260	675	1350	1800	2025	3375	5625	260	745	1490	1985	2235	3725	6205	260	750	1500	2000	2250	3750	6250
300	149	230	655	1315	1750	1970	3280	5470	230	715	1430	1910	2150	3580	5965	230	730	1455	1940	2185	3640	6070
400	204	200	635	1270	1690	1900	3170	5280	200	705	1410	1880	2115	3530	5880	200	705	1410	1880	2115	3530	5880
500	260	170	600	1200	1595	1795	2995	4990	170	665	1330	1775	1995	3325	5540	170	665	1330	1775	1995	3325	5540
600	316	140	550	1095	1460	1640	2735	4560	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040
650	343	125	535	1075	1430	1610	2685	4475	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905
700	371	110	535	1065	1420	1600	2665	4440	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730
750	399	95	505	1010	1345	1510	2520	4200	95	530	1055	1410	1585	2640	4400	95	530	1065	1420	1595	2660	4430
800	427	80	410	825	1100	1235	2060	3430	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230
850	454	65	270	535	715	805	1340	2230	65	485	965	1290	1450	2415	4030	65	485	975	1300	1460	2435	4060
900	482	50	170	345	460	515	860	1430	50	370	740	985	1110	1850	3085	50	450	900	1200	1350	2245	3745
950	510	35	105	205	275	310	515	860	35	275	550	735	825	1370	2285	35	375	755	1005	1130	1885	3145
1000	538	20	50	105	140	155	260	430	20	200	400	530	595	995	1655	20	255	505	675	760	1270	2115
1050	566	—	—	—	—	—	—	—	20(1)	145	290	385	430	720	1200	20(1)	170	345	460	515	855	1430
1100	593	—	—	—	—	—	—	—	20(1)	100	200	265	300	495	830	20(1)	115	225	300	340	565	945
1150	621	—	—	—	—	—	—	—	20(1)	60	125	165	185	310	515	20(1)	75	150	200	225	375	630
1200	649	—	—	—	—	—	—	—	15(1)	35	70	95	105	170	285	20(1)	50	105	140	155	255	430

Material	A182F11(c) (d) & A217WC6 (c) (e)							A182 F22 (c) (d) & A217 WC9 (c) (e)							A182F304L(f) & F316L						
Temperature	MAXIMUM PRESSURE PSIG							MAXIMUM PRESSURE PSIG							MAXIMUM PRESSURE PSIG						
°F	°C	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500
>100	>38	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250	230	600	1200	1600	1800	3000	5000
200	93	260	750	1500	2000	2250	3750	6250	260	750	1500	2000	2250	3750	6250	195	505	1015	1350	1520	2530	4220
300	149	230	720	1445	1925	2165	3610	6015	230	730	1455	1940	2185	3640	6070	175	455	910	1210	1360	2270	3780
400	204	200	695	1385	1850	2080	3465	5775	200	705	1410	1880	2115	3530	5880	160	415	825	1100	1240	2065	3440
500	260	170	665	1330	1775	1995	3325	5540	170	665	1330	1775	1995	3325	5540	145	380	765	1020	1145	1910	3180
600	316	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040	140	360	720	960	1080	1800	3000
650	343	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905	125	350	700	935	1050	1750	2920
700	371	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730	110	345	685	915	1030	1715	2860
750	399	95	530	1065	1420	1595	2660	4430	95	530	1065	1420	1595	2660	4430	95	335	670	895	1010	1680	2800
800	427	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230	80	330	660	875	985	1645	2740
850	454	65	485	975	1300	1460	2435	4060	65	485	975	1300	1460	2435	4060	65	320	645	860	965	1610	2680
900	482	50	450	900	1200	1350	2245	3745	50	450	900	1200	1350	2245	3745	—	—	—	—	—	—	—
950	510	35	320	640	850	955	1595	2655	35	375	755	1005	1130	1885	3145	—	—	—	—	—	—	—
1000	538	20	215	430	575	650	1080	1800	20	260	520	695	780	1305	2170	—	—	—	—	—	—	—
1050	566	20(1)	145	290	385	430	720	1200	20(1)	175	350	465	525	875	1455	—	—	—	—	—	—	—
1100	593	20(1)	95	190	255	290	480	800	20(1)	110	220	295	330	550	915	—	—	—	—	—	—	—
1150	621	20(1)	60	125	165	185	310	515	20(1)	70	135	180	205	345	570	—	—	—	—	—	—	—
1200	649	15(1)	40	75	100	115	190	315	20(1)	40	80	110	125	205	345	—	—	—	—	—	—	—

Material	A182F304(g) A351CF3 (f) &CF8 (g)							A182F316(g) A351CF3M(h) & CF8M(g)						
Temperature	MAXIMUM PRESSURE PSIG							MAXIMUM PRESSURE PSIG						
°F	°C	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500
>100	>38	275	720	1440	1920	2160	3600	6000	275	720	1440	1920	2160	3600	6000
200	93	230	600	1200	1600	1800	3000	5000	235	620	1240	1655	1860	3095	5160
300	149	205	540	1080	1440	1620	2700	4500	215	560	1120	1495	1680	2795	4660
400	204	190	495	995	1325	1490	2485	4140	195	515	1025	1370	1540	2570	4280
500	260	170	465	930	1240	1395	2330	3880	170	480	955	1275	1435	2390	3980
600	316	140	435	875	1165	1310	2185	3640	140	450	900	1205	1355	2255	3760
650	343	125	430	860	1145	1290	2150	3580	125	445	890	1185	1330	2220	3700
700	371	110	425	850	1135	1275	2125	3540	110	430	870	1160	1305	2170	3620
750	399	95	415	830	1105	1245	2075	3460	95	425	855	1140	1280	2135	3560
800	427	80	405	805	1075	1210	2015	3360	80	420	845	1125	1265	2110	3520
850	454	65	395	790	1055	1190	1980	3300	65	420	835	1115	1255	2090	3480
900	482	50	390	780	1035	1165	1945	3240	50	415	830	1105	1245	2075	3460
950	510	35	380	765	1020	1145	1910	3180	35	385	775	1030	1160	1930	3220
1000	538	20	320	640	855	965	1605	2675	20	350	700	935	1050	1750	2915
1050	566	20(1)	310	615	820	925	1545	2570	20(1)	345	685	915	1030	1720	2865
1100	593	20(1)	255	515	685	770	1285	2145	20(1)	305	610	815	915	1525	2545
1150	621	20(1)	200	400	530	595	995	1655	20(1)	235	475	630	710	1185	1970
1200	649	20(1)	155	310	415	465	770	1285	20(1)	185	370	495	555	925	1545
1250	677	20(1)	115	225	300	340	565	945	20(1)	145	295	390	440	735	1230
1300	704	20(1)	85	170	225	255	430	715	20(1)	115	235	310	350	585	970
1350	732	20(1)	60	125	165	185	310	515	20(1)	95	190	255	290	480	800
1400	760	20(1)	50	95	130	145	240	400	20(1)	75	150	200	225	380	630
1450	788	15(1)	35	70	95	105	170	285	20(1)	60	115	155	175	290	485
1500	816	10(1)	25	55	70	80	135	230	20(1)	40	85	110	125	205	345

PRESSURE TEST

PARTS	MEDIUM	PRESSURE
CASING	HYDRAULIC	MAX.W.P.X150%
SEAT	HYDRAULIC	MAX.W.P.X110%
BACK SEAT	HYDRAULIC	MAX.W.P.X110%
SEAT	PNEUMATIC	100PSI
TEST METHOD AS PER API 598		
TEST DURATION AS PER API 598		
PRESSURE TEST AS PER ANSI B16.34		

MAX W.P. = MAX. WORKING PRESSURE

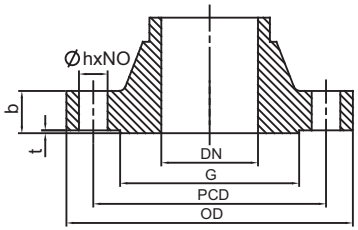
NOTES-(1) FOR WELDING ENDS ONLY . FLANGED ENDS RATING TERMINATES@1000°F

(a) NOT RECOMMENDED FOR PROLONGED USE ABOVE 800°F
(b) ONLY KILLED STEEL SHOULD BE USED ABOVE 850°F
(c) USE NOMALIZED AND TEMPERED MATCH ONLY
(d) NOT RECOMMENDED FOR USE ABOVE 1100°F
(e) NOT TO BE USED ABOVE 1100°F
(f) NOT TO BE USED OVER 800°F
(g) AT TEMPERATURES OVER 1000°F USE ONLY WHERE THE CARBON CONTENT IS 0.04% OR HIGHER
(h) NOT TO BE USED OVER 850°F

CONVERSION : 1BAR = 14.50377 PSIG 1PSIG = 0.06895 BAR 1KG/CM2 = 14.2 PSIG

API.CE.ISO CERTIFIED

VALVE FLANGE DIMENSIONS : DIN & ANSI



PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	10		75	50	35	12	2	11	4
DIN 10-16	10		90	60	40	14	2	14	4
DIN 25-40,	10		90	60	40	16	2	14	4
DIN 64-100	10		100	70	40	20	2	14	4
DIN 6	15		80	55	40	12	2	11	4
DIN 10-16	15		95	65	45	14	2	14	4
ANSI 150		1/2"	88.9	60.3	34.9	11.1	1.6	16	4
DIN 25-40	15		95	65	45	16	2	14	4
ANSI 300		1/2"	95.2	66.7	34.9	14.3	1.6	16	4
ANSI 600		1/2"	95.2	66.7	34.9	20.65	6.35	16	4
DIN 64-100	15		105	75	45	20	2	14	4
ANSI 900-1500		1/2"	121	82.5	34.9	28.55	6.35	23	4
DIN 6	20		90	65	50	14	2	11	4
ANSI 10-16	20		105	75	58	16	2	14	4
ANSI 150		3/4"	98.4	69.8	42.9	11.1	1.6	16	4
DIN 25-40	20		105	75	58	18	2	14	4
ANSI 300		3/4"	118	82.5	42.9	15.9	1.6	19	4
ANSI 600		3/4"	118	82.5	42.9	22.25	6.35	19	4
DIN 64-100	20		130	90	58	24	2	18	4
ANSI 900-1500		3/4"	130	88.9	42.9	31.75	6.35	23	4
DIN 6	25		100	75	60	14	2	11	4
DIN 10-16	25		115	85	68	16	2	14	4
ANSI 150		1"	108	79.4	50.8	11.1	1.6	16	4
DIN 25-40	25		115	85	68	18	2	14	4
ANSI 300		1"	124	88.9	50.8	17.5	1.6	19	4
ANSI 600		1"	124	88.9	50.8	23.85	6.35	19	4
DIN 64-100	25		140	100	68	24	2	18	4
ANSI 900-1500		1"	149	102	50.8	34.95	6.35	26	4

PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	32		120	90	70	14	2	14	4
DIN 10-16	32		140	100	78	16	2	18	4
ANSI 150		1 1/4"	118	88.9	63.5	12.7	1.6	16	4
DIN 25-40	32		140	100	78	18	2	18	4
ANSI 300		1 1/4"	133	98.4	63.5	19	1.6	19	4
ANSI600		1 1/4"	133	98.4	63.5	26.95	6.35	19	4
DIN64-100	32		155	110	78	24	2	22	4
ANSI 900-1500		1 1/4"	159	111	63.5	34.95	6.35	26	4
DIN 6	40		130	100	80	14	3	14	4
DIN 10-16	40		150	110	88	16	3	18	4
ANSI 150		1 1/2"	127	98.4	73	14.3	1.6	16	4
DIN 25-40	40		150	110	88	18	3	18	4
ANSI 300		1 1/2"	156	114	73	20.6	1.6	23	4
ANSI 600		1 1/2"	156	114	73	28.85	6.35	23	4
DIN 64-100	40		170	125	88	26	3	22	4
ANSI 900-1500		1 1/2"	178	124	73	38.05	6.35	29	4
DIN 6	50		140	110	90	14	3	14	4
ANSI 10-16	50		165	125	102	18	3	18	4
ANSI 150		2"	152	121	92.1	15.9	1.6	19	4
DIN 25-40	50		165	125	102	20	3	18	4
ANSI 300		2"	165	127	92.1	22.2	1.6	19	8
DIN 64	50		180	135	102	26	3	22	4
ANSI 600		2"	165	127	92.1	31.75	6.35	19	8
DIN 100	50		195	145	102	28	3	26	4
ANSI 900-1500		2"	216	165	92.1	44.45	6.35	26	8

TECHNICAL INFORMATION

VALVE FLANGE DIMENSIONS : DIN & ANSI

PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	65		160	130	110	14	3	14	4
DIN 10-16	65		185	145	122	18	3	18	4
ANSI 150		2 1/2"	178	140	105	17.5	1.6	19	4
DIN 25-40	65		185	145	122	22	3	18	8
ANSI 300		2 1/2"	191	149	105	25.4	1.6	23	8
DIN 64	65		205	160	122	26	3	22	8
ANSI 600		2 1/2"	191	149	105	34.95	6.35	23	8
DIN 100	65		220	170	122	30	3	26	8
ANSI 900-1500		2 1/2"	245	191	105	47.65	6.35	29	8
DIN 6	80		190	150	128	16	3	18	4
DIN 10	80		200	160	138	20	3	18	8
DIN 16	80		200	160	138	20	3	18	8
ANSI 150		3"	191	152	127	19	1.6	19	4
DIN 25-40	80		200	160	138	24	3	18	8
ANSI 300		3"	210	168	127	28.6	1.6	23	8
DIN 64	80		215	170	138	28	3	22	8
ANSI 600		3"	210	168	127	38.25	6.35	23	8
DIN 100	80		230	180	138	32	3	26	8
ANSI 900		3"	241	191	127	44.45	6.35	26	8
ANSI 1500		3"	267	203	127	54.10	6.35	32	8
DIN 6	100		210	170	148	16	3	18	4
DIN 10-16	100		220	180	158	20	3	18	8
ANSI 150		4"	229	191	157	23.8	1.6	19	8
DIN 25-40	100		235	190	162	24	3	22	8
ANSI 300		4"	254	200	157	31.7	1.6	23	8
DIN 64	100		250	200	162	30	3	26	8
ANSI 600		4"	273	216	157	44.45	6.35	26	8
DIN 100	100		265	210	162	36	3	30	8
ANSI 900		4"	292	235	157	50.75	6.35	32	8
ANSI 1500		4"	311	241	157	60.35	6.35	35	8
DIN 6	125		240	200	178	18	3	18	8
DIN 10-16	125		250	210	188	22	3	18	8
ANSI 150		5"	254	216	186	23.8	1.6	23	8
DIN 25-40	125		270	220	188	26	3	26	8
ANSI 300		5"	279	235	186	34.9	1.6	23	8
DIN 64	125		295	240	188	34	3	30	8
ANSI 600		5"	330	267	186	50.95	6.35	29	8
DIN 100	125		315	250	188	40	3	33	8
ANSI 900		5"	349	279	186	57.15	6.35	35	8
ANSI 1500		5"	375	292	186	79.35	6.35	42	8

PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	150		265	225	202	18	3	18	8
DIN 10-16	150		285	240	212	22	3	22	8
ANSI 150		6"	279	241	216	25.4	1.6	23	8
DIN 25-40	150		300	250	218	28	3	26	8
ANSI 300		6"	318	270	216	36.5	1.6	23	12
DIN 64	150		345	280	218	36	3	33	8
ANSI 600		6"	356	292	216	54.20	6.35	29	12
DIN 100	150		355	290	218	44	3	33	12
ANSI 900		6"	381	318	216	61.95	6.35	32	12
ANSI 1500		6"	394	318	216	88.85	6.35	39	12
DIN 6	175		295	255	232	20	3	18	8
DIN 10-16	175		315	270	242	24	3	22	8
DIN 25	175		330	280	248	28	3	26	12
DIN 40	175		350	295	260	32	3	30	12
DIN 64	175		375	310	260	40	3	33	12
DIN 100	175		385	320	260	48	3	33	12
DIN 6	200		320	280	258	20	3	18	8
DIN 10	200		340	295	268	24	3	22	8
DIN 16	200		340	295	268	24	3	22	12
ANSI 150		8"	343	298	270	28.6	1.6	23	8
DIN25	200		360	310	278	30	3	26	12
DIN 40	200		375	320	285	34	3	30	12
ANSI 300		8"	381	330	270	41.3	1.6	26	12
DIN 64	200		415	345	285	42	3	36	12
ANSI 600		8"	419	349	270	61.95	6.35	32	12
DIN 100	200		430	360	285	52	3	36	12
ANSI 900		8"	470	394	270	69.85	6.35	39	12
ANSI 1500		8"	483	394	270	98.45	6.35	45	12
DIN 6	250		375	335	312	22	3	18	12
DIN 10	250		395	350	320	26	3	22	12
DIN 16	250		405	355	320	26	3	26	12
ANSI 150		10"	406	362	324	30.2	1.6	26	12
DIN25	250		425	370	335	32	3	30	12
DIN 40	250		450	385	345	38	3	33	12
ANSI 300		10"	445	387	324	47.6	1.6	29	16
DIN 64	250		470	400	345	46	3	36	12
ANSI 600		10"	508	432	324	69.85	6.35	36	16
DIN 100	250		505	430	345	60	3	39	12
ANSI 900		10"	546	470	324	76.15	6.35	39	16
ANSI 1500		10"	584	483	324	114.35	6.35	51	12

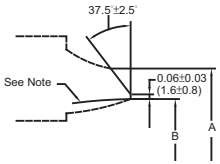
VALVE FLANGE DIMENSIONS : DIN & ANSI

PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	300		440	395	365	22	4	22	12
DIN 10	300		445	400	370	26	4	22	12
DIN16	300		460	410	378	28	4	26	12
ANSI 150		12"	483	432	381	31.7	1.6	26	12
DIN 25	300		485	430	395	34	4	30	16
DIN 40	300		515	450	410	42	4	33	16
ANSI 300		12"	521	451	381	50.8	1.6	32	16
DIN 64	300		530	460	410	52	4	36	16
ANSI 600		12"	559	489	381	73.05	6.35	36	20
DIN 100	300		585	500	410	68	4	42	16
ANSI 900		12"	610	533	381	85.75	6.35	39	20
ANSI 1500		12"	673	572	381	130.35	6.35	54	16
DIN 6	350		490	445	415	22	4	22	12
DIN 10	350		505	460	430	26	4	22	16
DIN 16	350		520	470	438	30	4	26	16
ANSI 150		14"	533	476	413	34.9	1.6	29	12
DIN 25	350		555	490	450	38	4	33	16
DIN 40	350		580	510	465	46	4	36	16
ANSI 300		14"	584	514	413	54	1.6	32	20
DIN 64	350		600	525	465	56	4	39	16
ANSI 600		14"	603	527	413	76.16	6.35	39	20
DIN 100	350		655	560	465	74	4	48	16
ANSI 900		14"	641	559	413	92.05	6.35	42	20
ANSI 1500		14"	749	635	413	139.75	6.35	61	16
DIN 6	400		540	495	465	22	4	22	16
DIN 10	400		565	515	482	26	4	26	16
DIN 16	400		580	525	490	32	4	30	16
ANSI 150		16"	597	540	470	36.5	1.6	29	16
DIN 25	400		620	550	505	40	4	36	16
DIN 40	400		660	585	535	50	4	39	16
ANSI 300		16"	648	572	470	57.2	1.6	35	20
DIN 64	400		670	585	535	60	4	42	16
ANSI 600		16"	686	603	470	82.55	6.35	42	20
DIN 100	400		715	620	535	80	4	48	16
ANSI 900		16"	705	616	470	95.25	6.35	45	20
ANSI 1500		16"	826	705	470	152.35	6.35	66	16

PN	DN		OD	PCD	G	b	t	Øh	No
DIN 6	450		595	550	520	22	4	22	16
DIN 10	450		615	565	532	28	4	26	20
DIN16	450		640	585	550	34	4	30	20
ANSI 150		18"	635	578	533	39.7	1.6	32	16
DIN 25	450		670	600	550	42	4	36	20
DIN 40	450		685	610	560	50	4	39	20
ANSI 300		18"	711	629	533	60.3	1.6	35	24
DIN 64	450		715	630	560		4	42	20
ANSI 600		18"	743	654	533	88.85	6.35	45	20
DIN 100	450		770	675	560		4	48	20
ANSI 900		18"	787	686	533	108.35	6.35	51	20
ANSI 1500		18"	914	775	533	168.35	6.35	74	16
DIN 6	500		645	600	570	24	4	22	20
DIN 10	500		670	620	585	28	4	26	20
DIN 16	500		715	650	610	34	4	33	20
ANSI 150		20"	699	635	584	42.9	1.6	32	20
DIN 25	500		730	660	615	44	4	36	20
DIN 40	500		755	670	615	52	4	42	20
ANSI 300		20"	775	686	584	63.5	1.6	35	24
DIN 64	500		800	705	615		4	48	20
ANSI 600		20"	813	724	584	95.25	6.35	45	24
DIN 100	500		870	760	615		4	56	20
ANSI 900		20"	857	749	584	114.35	6.35	54	20
ANSI 1500		20"	984	832	584	184.35	6.35	80	16
DIN 6	600		755	705	670	24	5	26	20
DIN 10	600		780	725	685	28	5	30	20
DIN 16	600		840	770	725	36	5	36	20
ANSI 150		24"	813	749	692	47.6	1.6	35	20
DIN 25	600		845	770	720	46	5	39	20
DIN 40	600		890	795	735	54	5	48	20
ANSI 300		24"	914	813	692	69.9	1.6	41	24
DIN 64	600		930	820	735		5	56	20
ANSI 600		24"	940	838	692	108.35	6.35	51	24
DIN 100	600		990	875	735		5	62	20
ANSI 900		24"	1041	902	692	146.35	6.35	67	20
ANSI 1500		24"	1168	991	692	209.35	6.35	92	16

TECHNICAL INFORMATION

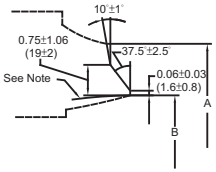
BUTT-WELD END DIMENSIONS & DETAILS ASME B16.25, 1997



Welding end detail for joint without backing ring

Intended for use on 22mm (0.88") and smaller than 22mm(0.88")

Intended for use on wall thickness greater than 22mm (0.88")



Note: Internal surface may be reformed or machined for dimensions B at root face. Contour within the envelope is manufacturer's option, unless otherwise specifically ordered for.

Nominate Pipe Size	A	B										
		STD	XS	30	40	60	80	100	120	140	160	XXS
50 (2")	60	-	-	-	53	-	49	-	-	-	43	38
65 (21/2")	75	-	-	-	63	-	59	-	-	-	54	45
80 (3")	91	-	-	-	78	-	74	-	-	-	67	58
100 (4")	117	-	-	-	102	-	97	-	92	-	87	80
125 (5")	144	-	-	-	128	-	122	-	116	-	110	103
150 (6")	172	-	-	-	154	-	148	-	140	-	132	124
200 (8")	223	-	-	-	203	198	194	189	183	178	173	175
250 (10")	278	-	-	-	255	247	242	237	230	222	216	-
300 (12")	329	305	298	-	303	295	289	281	273	267	257	-
350 (14")	362	337	330	-	333	325	318	308	300	292	284	-
400 (16")	413	387	-	-	381	373	364	354	344	333	325	-
450 (18")	464	438	432	-	429	419	410	398	387	378	367	-
500 (20")	516	489	483	-	478	467	456	443	432	419	408	-
600 (24")	619	591	584	581	575	560	548	532	518	505	491	-

NOTES