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Summary:

Stokis dan Distributor **Pipa, Flange, Fitting, Valve dan Instrument** berbahan besi baja carbon, stainless dan alloy.

Pemilik merek dagang VALCON *corrosion protection system*, pelapisan 3 (tiga) *layer* perlindungan pipa baja terhadap korosi dari lingkungan.

Authorized agent OTV Valve, Kabel Metal Indonesia dan Pipa Baotou.

Our Principles



COMPANY
PROFILE

2025/26



D. JHONES
DIRECTOR



THE CEO LETTER

Perjalanan kami dimulai pada 2013 sebagai Kontraktor sistem Perpipaan untuk proyek Migas. Dinamika usaha yang diiringi dengan semangat pembaharuan, membawa kami tumbuh menjadi Stokis dan Distributor besar untuk produk **pipa, flange, fitting, valve** dan **instrument**. Semua ini tercapai atas kuasa Tuhan dan dedikasi luar biasa dari para karyawan, dukungan seluruh stake-holder dan komitmen para share-holder yang bermental **BAJA**.

Setiap langkah yang kami tempuh dipenuhi dengan tantangan, namun juga pembelajaran berharga. Dari kemitraan biasa hingga saat ini menjadi **Authorized Agent** dari beberapa produsen ternama industri penunjang Migas Indonesia.

Kami juga berterima kasih kepada para Prinsipal yang telah memberikan keagenan kepada kami. Kami berkomitmen untuk selalu menjaga standar kualitas dan memberikan layanan terbaik untuk memenuhi kebutuhan dan harapan pelanggan kami.

PIP VALCON MOVING FORWARD !

COMPANY PROFILE

Pip Valcon telah dipercaya oleh banyak perusahaan industri besar di Indonesia baik di bidang minyak & gas, infrastruktur dan konstruksi metal, pertambangan, pembangkit listrik dan industri umum lainnya di Indonesia.

Dengan lebih dari 12.500 item dari berbagai material baja, stainless serta alloy pada inventaris yang meliputi pipa, fitting butt-weld dan forged, flange, valve, pipe wrapping, gasket hingga mur dan baut; tenaga profesional kami akan memastikan semua kebutuhan Anda dapat terpenuhi dan tepat waktu.

MOVING FORWARD



“
People buy
from
People
they
TRUST

Inspirational quote



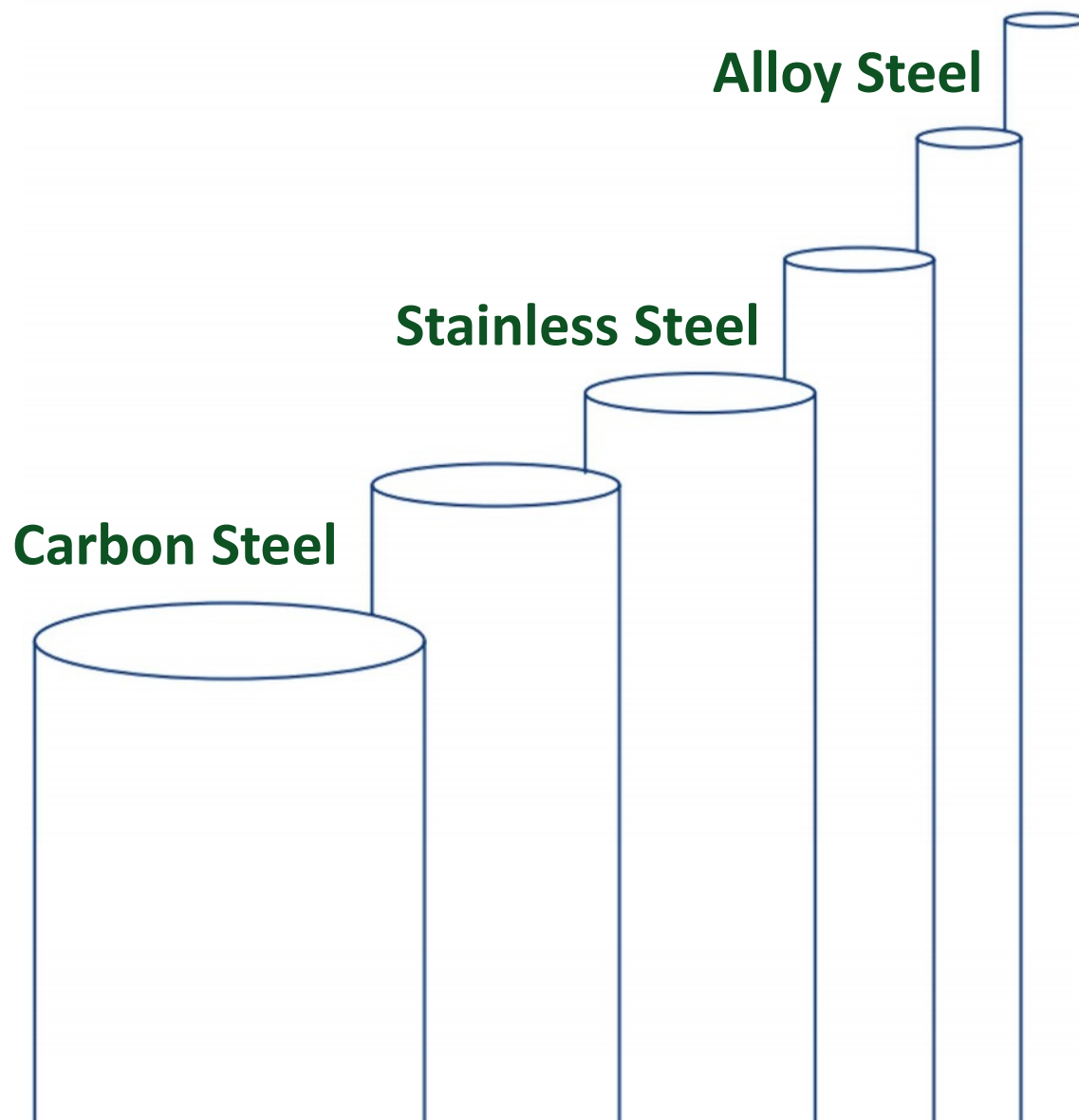
Stockiest distributor of Steel Pipes, Pipe-fittings, Flanges, Valves and Instruments.

Manufacturer of Pipe Wrapping VALCON – corrosion protection system

DAFTAR ISI

PIPA Seamless Welded – ERW, SAW API 5L, ASTM A106, A53, A179, A192, A213, A210, A333, A335	01
FITTING Buttweld Forged ASME/ANSI B16.9, ASME B16.28, MSS-SP-43 ASTM A234 WPB, A403 WP304/304L, WP316/316L	10
FLANGE Blind Welding Neck Slip On Socket Weld Lap Joint ANSI B16.5, ANSI B16.47 Series A & B, MSS SP44, API-605, AWWA ASTM A105/N, A350, A694, A182 F202, F304/L/H, F316/L/H, F1, F5, F9, F11, F22, F91	15
VALVE Gate Ball Globe Check Butterfly Actuated API 6D, 600, 602, 603, ISO 10434 WCB, CF8, CF3, CF8M, LCB, A105, WC6, CA15, F304, F310, F6a, F316	20
WRAPPING PIPA Primer Coating Inner Layer Outer Layer ASTM D1000, E96, G8, D570, D149 VALCON – Corrosion Protection System	29
INSTRUMENTATION Instrument Fittings Instrument Valves ASTM D-1785, D-2467, DIN 2353 / ISO 8434-1 Stainless 316, Duplex 2205, Super Duplex 32750, Hastelloy C276, Titanium	31

PIPA



PIPA SEAMLESS

Standard	API A106 GR.B A53 Gr.B seamless steel pipe / ASTM A106 Gr.B A53 Gr.B steel tube AP175-79, DIN215L, ASTM A106 Gr.B, ASTM A53 Gr.B, ASTM A179/A192/A213/A210 /370 WP91, WP11,WP22. DIN17440, DIN2448,JISG3452-54.
Country Origin	Indonesia, Jepang, Singapura, Thailand, Korea Selatan, China, Austria, Italia, Taiwan, Belanda, Perancis, Inggris, Amerika Serikat, Germany, Malaysia
Size	1/2", 2", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24"
Thickness	SCH5S, SCH10S, SCH20S, SCH20, SCH30, STD, SCH40, SCH60, SCH80, XS, SCH100, SCH140, SCH160, XXS
Materials	API5L, Gr.A&B, X42, X46, X52, X56, X60, X65, X70, X80, ASTM A53Gr.A&B, ASTM A106 Gr.A&B, ASTM A135, ASTM A252, ASTM A500, DIN1626, ISO559, ISO3183.1/2, KS4602, GB/T911.1/2, SY/T5037, SY/T5040 STP410, STP42.
Surface treatment	Natural, Varnished, Black Painting, FBE, 3PE (3LPE), 3PP, CWC (Concrete Weight Coated) CRA Clad or Lined

Kategori

Pipa Baja	Pipa Boiler	Pipa API 5L
Penggunaan: Umum di banyak industri untuk transmisi fluida OD: 10.3 – 1219.2 mm Material: Carbon Steel, Stainless Steel, Alloy Steel Standar: API 5L, ASTM A106, JIS G3454, G3455, G3456, DIN1629 / EN10216-1, EN 10208 Pipa baja seamless dikenal karena kekuatan, daya tahan, dan keseragamannya yang luar biasa, karena diproduksi tanpa sambungan las. Struktur tanpa sambungan ini memberikan ketahanan yang superior terhadap tekanan, sehingga sangat ideal untuk aplikasi bertekanan tinggi di industri seperti minyak dan gas, pembangkit listrik, dan pengolahan kimia. Pipa seamless menawarkan ketahanan korosi yang sangat baik dan mampu bertahan dalam suhu ekstrem serta kondisi lingkungan yang keras, memastikan kinerja yang tahan lama dan andal dalam aplikasi yang menuntut.	Khusus penggunaan: superheated pipe lines, steam pipeline, boiling water tube OD: 25 – 127 mm Standar: ASTM A192, A179, A209, A210, JIS G3461, G3462, 3463, DIN17175, EN 10216-2, A213 T5, T9, T11, T22, T91 Pipa boiler adalah jenis pipa yang dirancang khusus untuk digunakan dalam sistem boiler, di mana air dipanaskan dan diubah menjadi uap untuk keperluan industri. Pipa ini harus mampu menahan tekanan tinggi dan suhu ekstrem yang dihasilkan selama proses pemanasan. Dibuat dari bahan berkualitas tinggi, seperti baja karbon atau paduan baja, pipa boiler juga memiliki ketahanan yang kuat terhadap korosi dan oksidasi.	Khusus penggunaan: transportasi minyak, gas alam dan panas bumi OD: 73 – 630 mm Standar: API 5L PSL1/PSL2 Gr.A, Gr.B, X42, X46, X52, X56, X60, X65, X70 API 5L PSL1/PSL2 L210, L245, L290, L320, L360, L390, L415, L450, L485 Pipa API 5L adalah pipa baja yang diproduksi sesuai dengan spesifikasi yang ditetapkan oleh American Petroleum Institute (API). Standar API 5L ini digunakan untuk pipa yang digunakan dalam sistem transportasi minyak dan gas, baik di darat maupun di lepas pantai. Pipa API 5L dirancang untuk mengangkut gas, air, dan minyak di industri minyak dan gas, dan tersedia dalam berbagai kelas (grades) yang menunjukkan kekuatan dan ketahanan pipa tersebut. API 5L mencakup dua tingkat spesifikasi utama: PSL1 (Product Specification Level 1) dan PSL2 (Product Specification Level 2). PSL2 memiliki persyaratan kualitas yang lebih tinggi dibandingkan PSL1, termasuk kontrol yang lebih ketat pada komposisi kimia dan sifat mekanik, serta pengujian yang lebih menyeluruh.

PIPA WELDED

Standard	API 5L PSL1/PSL2 Gr.A,Gr.B,X42,X46,X52,X56,X60,X65,X70 ASTM A53: GR.A, GR.B, ASTM A500, JIS G3466, ASTM A252 ASTM A178 AN/NZS 1163 AN/NZS 1074,EN10219-1 EN10217-1,S275, S275JR, S355JRH, S355J2H
Country Origin	INDONESIA
Size	1/2" ~ 60"
Thickness	SCH5S, SCH10S, SCH20S, SCH20, SCH30, STD, SCH40, SCH60, SCH80, XS, SCH100, SCH140, SCH160, XXS
Materials	PSL1, PSL2 API5L, Gr.A&B, X42, X52, X60, X65, X70, BR, X42R, ASTM A53Gr.A&B, TP304/L, TP316/L
Surface treatment	Natural, Varnished, Black Painting, FBE, 3PE (3LPE), 3PP, CWC (Concrete Weight Coated) CRA Clad or Lined

Kategori

Pipa ERW / HFW	Pipa LSAW	Pipa HSAW
ERW merupakan singkatan dari Electric Resistance Welding atau disebut juga High Frequency Welding (HFW). Proses pembuatan pipa dengan metode ERW memiliki pengelasan yang berbentuk lurus, mengacu pada pengelasan pada lembaran yang digulung menjadi bentuk tabung.	LSAW merupakan singkatan dari Longitudinal Submerged Arc Welding. Proses produksi pipa LSAW diawali dengan plate yang dibentuk menjadi pipa dengan mempertemukan masing-masing sisi plate/strip secara longitudinal sesuai diameter yang diminta, kemudian dilas dengan filler metal.	HSAW merupakan singkatan dari Helical Submerged Arc Welding. Proses produksi pipa HSAW diawali dengan plate yang dibentuk menjadi pipa dengan mempertemukan masing-masing sisi plate (strip) secara spiral sesuai diameter yang diminta dengan menggunakan filler metal.
Pengelasan ini tidak menggunakan filler metal. Pipa ERW mempunyai area HAZ (Heat Affected Zone) yang sangat kecil. Produktivitas produksi pipa ERW adalah 12 m/menit, sedangkan Panjang Area Lasan (Weld Seam) dari pipa ERW hanya sepanjang pipa 12 meter / 6 meter.	Pipa LSAW mempunyai area HAZ (Heat Affected Zone) yang kecil. Produktivitas produksi pipa LSAW adalah 4 m/menit, sedangkan Panjang Area Lasan (Weld Seam) dari pipa LSAW hanya sepanjang pipa 12 meter / 6 meter.	Pipa HSAW memiliki area HAZ (Heat Affected Zone) yang besar. Produktivitas produksi pipa HSAW adalah 2 m/menit, sedangkan Panjang Area Lasan (Weld Seam) pipa HSAW adalah 1,5 – 2 kali dari panjang pipa.



Country Origin	Indonesia, Jepang, Singapura, Amerika Serikat, China
Pipe Size	Tubing: 2-3/8" - 7" Casing: 4-1/2" - 26" Conductor Casing: 16" - 26"
Produk	Tubing, Casing, Drill pipe, Coupling, Drill Collars
Pipe End	P - plain-end, N - non-upset, with threaded and coupled U - external-upset, with threaded and coupled I - whole joint or other special threads / S - short round thread, L - long round thread, B - buttress thread
Standard & Grade	API 5CT - H40, J55, K55, M65, L80-1, N80-1, N80Q, C90, P110, Q125 API 5DP - E75, X95, G105, S135

Produk



Tubing

OD: 48.26mm-114.3mm

WT: 3.18 mm – 16 mm

LENGTH: R1, R2, R3

Pipe Standard: API 5CT PSL1/PSL2 J55, K55, N80-1, N80-Q, API 5CT PSL1/PSL2 L80-1, L80-9Cr, L80-13Cr, C90, C95, P110, Q125



Casing

OD: 114.3 mm – 508 mm

LENGTH: R1, R2, R3

Pipe Standard: API 5CT PSL1/PSL2 J55, K55, N80-1, N80-Q, API 5CT PSL1/PSL2 L80-1, L80-9Cr, L80-13Cr, C90, C95, P110, Q125



Drill Pipe

OD: 2-3/8" to 7-5/8"

WT: 6.45 mm – 12.7 mm

LENGTH: R1, R2, R3

Pipe Standard: API 5DP E75, X95, G105, S135



Drill Collars

OD: 3 1/8" - 11"

LENGTH: 30Ft / 31Ft / 43Ft / R1~R3

Connection type: NC, REG, FH, IF

Thread: NC26, NC31, NC38, NC40, NC46, NC50, 5.1/2FH

Material: Stainless Steel/Alloy steel/ 4145H/ Carbon steel

Standard: API 5DP/API Spec 7-1



Coupling

OD : 1.8/9 – 4-1/2", 4-1/2" – 13-3/8"

Pipe Standard: API 5CT and 5B

PSL1/PSL2 J55, K55, N80-1, N80-Q, API 5CT and 5B L80-1, C90, C95, T95, P110, Q125

PIPA ALLOY

Pipe Size (OD)	1/4" - 42"		
Produk	Monel, Inconel, Incoloy, Hastelloy		
Specifications	OD: Φ 3 - Φ 600 mm WT: 0.5 - 30 mm Length: $\leq$ 12000mm		
Standard	ASTM B161, ASTM B163, ASTM B165, ASTM B167 ASTM B407, ASTM B423, ASTM B444 ASTM B535 ASTM B622, ASTM B677, ASTM B690 ASTM B729 ASTM B829 ASTM B983		
Fitur	High temperature resistance corrosion resistance. Suitable for strong acid and alkali and high temperature environment under harsh conditions.		
Monel	Inconel	Incoloy	Hastelloy
Grade: 400 401 404 R-405 K-500 502	Grade: 600 601 601GC 602CA 603XL 617 625 625LCF 686 690 693 706 718 718SPF 725 740H X- 750 751 MA754 MA758 783	Grade: 800 800H 800HT 803 825 832 864 890 903 907 908 909 925 926 945 945X MA956 A-286 020 028 DS 330 25-6HN 27-7MO	Grade: B B-2 B-3 C C-4 C-22 C-22HS C-276 C- 2000 G-3 G-30 G-35 N S W X



Seamless Alloy



Welded Alloy



Capillary Tube



Coil Tube Alloy

PIPA DUPLEX



Duplex & Super Duplex

OD	3-2500 mm
WT	1.0 - 150 mm
Length	5.8 / 6 / 11.8 / 12 m
Pipe Standard	ASME/ANSI B16.11, MSS-SP-97, MSS-SP-79, JIS B2316, BS 3799
Material	ASTM/ASME A/SA 789, 790, UNS NO S 31803, S 32205, S 32550, S 32750, S 32760.



PIPA LOW-TEMP

Standard	ASTM, ASME and API
Pipe Size	1/2" - 24" (seamless). up to 42" for welded
Schedule	SCH 40, SCH 80, SCH 160, SCH XS, SCH XXS
Pipe End	P - Plain-end B - Bevelled-end T - Threaded
Form	Round Pipes/ Tubes, Square pipes/ tubes, Rectangular pipes/ tubes, Coiled tubes, U Shape, Pan cake coils, Hydraulic tubes
Grade	ASTM A333 Grade1, ASTM A333 Grade 3, ASTM A333 Grade 6, ASTM A334 Grade 1, ASTM A334 Grade 6

Heat Treatment Requirements

All seamless and welded pipe shall be treated to control their microstructure by the following methods: Normalizing per A 333/A 333M-05 section 4.3.1.1; section 4.3.1.2 or section 4.3.1.3 Quenched and Tempered per A 333/A 333M – 05 section 4.3.2.1 Double Normalized and Tempered per A 333/A 333M – 05 section 4.3.2.2

Chemical Composition

Element	Composition, %		
	Grade 1	Grade 3	Grade 6
Carbon, max	0.30	0.19	0.30
Manganese	0.40 – 1.06	0.31 – 0.64	0.29 – 1.06
Phosphorous, max	0.025	0.025	0.025
Sulfur, max	0.025	0.025	0.025
Silicon		0.18 -0.37	0.10 min
Nickel		3.18 – 3.82	



(API and BS 1600 are dimensionally similar to ANSI B36.10)

Nominal Size ☆ ⊕ NPS DN		OD mm (inches)	Wall Thickness (mm)	ID (mm)	Plain End Mass (kg/m)	Ident.	
						STD/ XS/ XXS	SN
1/8	6	10.3	1.73	6.8	0.37	STD	40
		(0.405)	2.41	5.5	0.47	XS	80
1/4	8	13.7	2.24	9.2	0.63	STD	40
		(0.540)	3.02	7.7	0.80	XS	80
3/8	10	17.1	2.31	12.5	0.84	STD	40
		(0.675)	3.20	10.7	1.10	XS	80
1/2	15	21.3	2.77	15.8	1.27	STD	40
		(1.050)	3.73	13.9	1.62	XS	80
		4.78	11.8	1.95	-	160	
		7.47	6.4	2.55	XXS	-	
3/4	20	26.7	2.87	20.9	1.69	STD	40
		(1.050)	3.91	18.9	2.20	XS	80
		5.56	15.5	2.90	-	160	
		7.82	11.0	3.64	XXS	-	
1	25	33.4	3.38	26.6	2.50	STD	40
		(1.315)	4.55	24.3	3.24	XS	80
		6.35	20.7	4.24	-	160	
		9.09	15.2	5.45	XXS	-	
1 1/4	32	42.2	3.56	35.1	3.39	STD	40
		(1.660)	4.85	32.5	4.47	XS	80
		6.35	29.5	5.61	-	160	
		9.70	22.8	7.77	XXS	-	
1 1/2	40	48.3	3.68	40.9	4.05	STD	40
		(1.900)	5.08	38.1	5.41	XS	80
		7.14	34.0	7.25	-	160	
		10.15	27.9	9.56	XXS	-	
2	50	60.3	3.91	52.5	5.44	STD	40
		(2.375)	5.54	49.2	7.48	XS	80
		8.74	42.9	11.11	-	160	
		11.07	38.2	13.44	XXS	-	
2 1/2	65	73.0	5.16	62.7	8.63	STD	40
		(2.875)	7.01	59.0	11.41	XS	80
		9.53	54.0	14.92	-	160	
		14.02	45.0	20.39	XXS	-	

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

PIPE DIMENSIONS

Dimensions And Mass Of Welded And Seamless Steel Pipe

(API and BS 1600 are dimensionally similar to ANSI B36.10)

☆ **NPS** : ANSI term.
⊕ **DN** : SI Metric term.
OD : Outside Diameter
ID : Inside Diameter

Ident. : Identification
STD : Standard
XS : X-Strong

XXS : XX-Strong
SN : Schedule Number
All dimensions shown are nominal

Nominal Size		OD	Wall Thickness	ID	Plain End Mass	Ident.	
☆ NPS	⊕ DN	mm (inches)	(mm)	(mm)	(kg/m)	STD/ XS/ XXS	SN
12	300	323.9 (12.75)	6.35	311.1	49.73	-	20
			8.38	307.1	65.20	-	30
			9.53	304.8	73.88	STD	-
			10.31	303.2	79.73	-	40
			12.70	298.5	97.46	XS	-
			14.27	295.3	108.96	-	60
			17.48	288.9	132.08	-	80
			21.44	281.0	159.91	-	100
			25.40	273.1	186.97	XXS	120
			28.58	266.7	208.14	-	140
			33.32	257.2	238.76	-	160
14	350	355.6 (14.00)	6.35	342.9	54.69	-	10
			7.92	339.8	67.90	-	20
			9.53	336.6	81.33	STD	30
			11.13	333.3	94.55	-	40
			11.91	331.8	100.94	-	-
			12.70	330.2	107.39	XS	-
			15.09	325.4	126.71	-	60
			19.05	317.5	158.10	-	80
			23.83	307.9	194.96	-	100
			27.79	300.0	224.65	-	120
			31.75	292.1	253.56	-	140
			35.71	284.2	281.70	-	160
16	400	406.4 (16.00)	6.35	393.7	62.64	-	10
			7.92	390.6	77.83	-	20
			9.53	387.4	93.27	STD	30
			12.70	381.0	123.30	XS	40
			16.66	373.1	160.12	-	60
			21.44	363.5	203.53	-	80
			26.19	354.0	245.56	-	100
			30.96	344.5	286.64	-	120
			36.53	333.3	333.19	-	140
			40.49	325.4	365.35	-	160
18	450	457 (18.00)	6.35	444.5	70.57	-	10
			7.92	441.4	87.71	-	20
			9.53	438.2	105.16	STD	-
			11.13	434.9	122.38	-	30
			12.70	431.8	139.15	XS	-
			14.27	428.7	155.80	-	40
			19.05	419.1	205.74	-	60
			23.83	409.5	254.55	-	80
			29.36	398.5	309.62	-	100
			34.93	387.4	363.56	-	120
			39.67	377.9	408.26	-	140
			45.24	366.7	459.37	-	160

Nominal Size		OD	Wall Thickness	ID	Plain End Mass	Ident.	
☆ NPS	⊕ DN	mm (inches)	(mm)	(mm)	(kg/m)	STD/ XS/ XXS	SN
20	500	508 (20.00)	6.35	495.3	78.55	-	10
			9.53	489.0	117.15	STD	20
			12.70	482.6	155.12	XS	30
			15.09	477.8	183.42	-	40
			20.62	466.8	247.83	-	60
			26.19	455.6	311.17	-	80
			32.54	442.9	381.53	-	100
			38.10	431.8	441.49	-	120
			44.45	419.1	508.11	-	140
			50.01	408.0	564.81	-	160
22	550	559 (22.00)	6.35	546.1	86.54	-	10
			9.53	539.8	129.13	STD	20
			12.70	533.4	171.09	XS	30
			22.23	514.4	294.25	-	60
			28.58	501.7	373.83	-	80
			34.93	489.0	451.42	-	100
			41.28	476.2	527.02	-	120
			47.63	463.5	600.63	-	140
			53.98	450.8	672.26	-	160
24	600	610 (24.00)	6.35	596.9	94.53	-	10
			9.53	590.6	141.12	-	20
			12.70	584.2	187.06	STD	-
			14.27	581.1	209.64	XS	30
			17.48	574.6	255.41	-	40
			24.61	560.4	355.26	-	60
			30.96	547.7	442.08	-	80
			38.89	531.8	547.71	-	100
			46.02	517.6	640.03	-	120
			52.37	504.9	720.15	-	140
26	650	660 (26.00)	59.54	490.5	808.22	-	160
			7.92	644.6	127.36	-	10
			9.53	641.4	152.87	STD	-
			12.70	635.0	202.72	XS	20
28	700	711 (28.00)	7.92	695.4	137.32	-	10
			9.53	692.2	164.85	STD	-
			12.70	685.8	218.69	XS	20
			15.88	679.5	271.21	-	30

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

PIPE DIMENSIONS

Dimensions And Mass Of Welded And Seamless Steel Pipe

(API and BS 1600 are dimensionally similar to ANSI B36.10)

ANSI B36.10

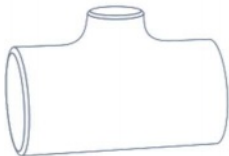
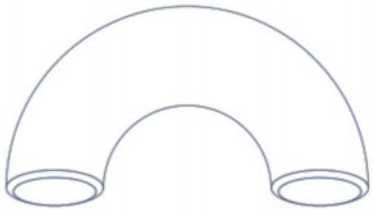
Nominal Size		OD mm (inches)	Wall Thickness (mm)	ID (mm)	Plain End Mass (kg/m)	Ident.	
☆ NPS	⊕ DN					STD/ XS/ XXS	SN
30	750	762 (30.00)	7.92	746.2	147.28	-	10
			9.53	743.0	176.84	STD	-
			12.70	736.6	234.67	XS	20
			15.88	730.2	292.18	-	30
36	900	914 (36.00)	7.92	898.6	176.96	-	10
			9.53	895.4	212.56	STD	-
			12.70	889.0	282.27	XS	20
			15.88	882.6	351.70	-	30
			19.05	876.3	420.42	-	40
42	1050	1067 (42.00)	9.53	1047.8	248.52	STD	-
			12.70	1041.4	330.19	XS	-

☆ **NPS** : ANSI term.
 ⊕ **DN** : SI Metric term.
OD : Outside Diameter
ID : Inside Diameter
Ident. : Identification
STD : Standard
XS : X-Strong
XXS : XX-Strong
SN : Schedule Number
 All dimensions shown are nominal

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

FITTING

Buttwelding Carbon Steel / Stainless Steel

			
cap end cap	Tee Tee Reducer Barred Tee	Elbow 90 Deg LR - SR	Elbow 45 Deg LR - SR
			
Reducer Concentric - Eccentric	Reducer Concentric - Eccentric	Elbow 180 Deg LR -SR	

Forged Carbon Steel / Stainless Steel

					
Elbow 90 Deg Socket - Threaded	Elbow 45 Deg Socket - Threaded	Tee Socket - Threaded	Cross Socket - Threaded	Union Socket - Threaded	Coupling Socket - Threaded
					
Bosses Weld	Head Plug Round - Square - Hexagon	Olet Weld - Sock - Thread	Olet Weld - Sock - Thread	Olet Weld - Sock - Thread	

Standard Of Carbon Steel Fittings

ASTM 234

Piping fitting of wrought carbon steel and alloy steel for moderate and elevated temperatures

ASTM 420

Piping fitting of wrought carbon steel and alloy steel for low-temperatures

ANSI B 16.9

Wrought steel butt-welding fitting

ANSI B 16.25

Butt-welding ends

ANSI B 16.28

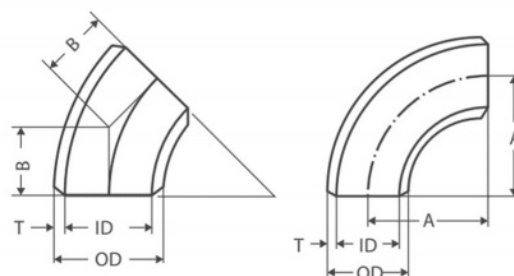
Wrought steel butt-welding short-radius elbows and returns



BUTTWELDING FITTING

Dimension Of Carbon Steel Fittings

ANSI B16.9



90° ELBOWS (LONG) & 45° ELBOWS (LONG) STD (SCH 40)

Nominal Pipe Size	Outside Diameter OD	Inside Diameter ID	Wall Thickness T	Center To End A	Center To End B	Nominal Pipe Size	Outside Diameter OD	Inside Diameter ID	Wall Thickness T	Center To End A	Center To End B
1/2	0.840	0.622	0.109	1 1/2	5/8	*18	18.000	16.876	0.562	27	11 1/4
3/4	1.050	0.824	0.113	1 1/8	7/16	20	20.000	19.250	0.375	30	12 1/2
1	1.315	1.049	0.133	1 1/2	7/8	*20	20.000	18.812	0.594	30	12 1/2
1 1/4	1.660	1.380	0.140	1 7/8	1	22	22.000	21.250	0.375	33	13 1/2
1 1/2	1.900	1.610	0.145	2 1/4	1 1/8	24	24.000	23.250	0.375	36	15
2	2.375	2.067	0.154	3	1 3/8	*24	24.000	22.624	0.688	36	15
2 1/2	2.875	2.469	0.203	3 3/4	1 3/4	26	26.000	25.250	0.375	39	16
3	3.500	3.068	0.216	4 1/2	2	28	28.000	27.250	0.375	42	17 1/4
3 1/2	4.000	3.548	0.226	5 1/4	2 1/4	30	30.000	29.250	0.375	45	18 1/2
4	4.500	4.026	0.237	6	2 1/2	32	32.000	31.250	0.375	48	19 3/4
5	5.563	5.047	0.258	7 1/2	3 1/8	*32	32.000	30.624	0.688	48	19 3/4
6	6.625	6.065	0.280	9	3 3/4	34	34.000	33.250	0.375	51	21
8	8.625	7.981	0.322	12	5	*34	34.000	32.624	0.688	51	21
10	10.750	10.020	0.365	15	6 1/4	36	36.000	35.250	0.375	54	22 1/4
12	12.750	12.000	0.375	18	7 1/2	*36	36.000	34.500	0.750	54	22 1/4
*12	12.750	11.938	0.406	18	7 1/2	38	38.000	37.250	0.375	57	23 5/8
14	14.000	13.250	0.375	21	8 3/4	40	40.000	39.250	0.375	60	24 7/8
*14	14.000	13.124	0.438	21	8 3/4	42	42.000	41.250	0.375	63	26
16	16.000	15.250	0.375	24	10	44	44.000	43.250	0.375	66	27 3/8
*16	16.000	15.000	0.500	24	10	46	46.000	45.250	0.375	69	28 5/8
18	18.000	17.250	0.375	27	11 1/4	48	48.000	47.250	0.375	72	29 7/8

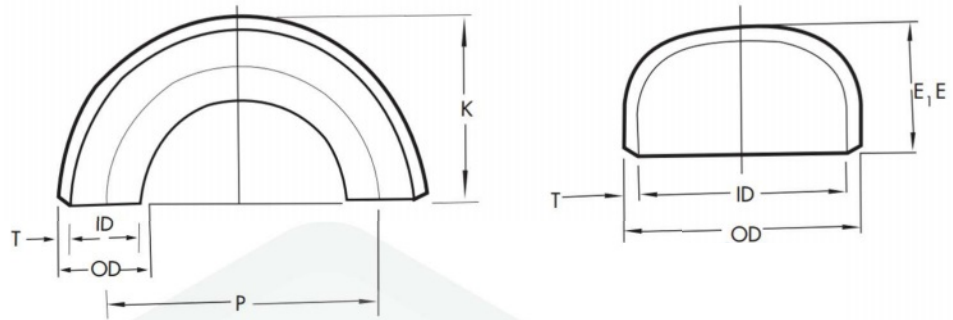
Note: other size dimensions please contact our expert at info@pipvalcon.co.id

BUTTWELDING FITTING

DIMENSION OF STAINLESS STEEL FITTINGS

180° Elbows (Long, Short) & Caps

Sch 5S, 10S, 40S, 80S



ANSI B 16.9, MSS SP-43

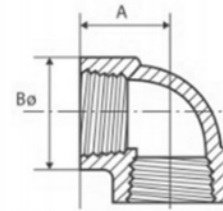
in inches

Nominal Pipe Size	Outside Diameter	Wall Thickness T				Length E	Limiting Wall Thickness For Length E	Length E1	Long		Short	
		5s	10s	40s	80s				P	K	P	K
1/2	0.084	0.065	0.083	0.109	0.147	1.00	0.18	1.00	3.00	1.88	-	-
3/4	1.050	0.065	0.083	0.113	0.154	1.00	0.15	1.00	2.25	1.69	-	-
1	1.315	0.065	0.109	0.133	0.179	1.50	0.18	1.50	3.00	2.19	2.00	1.62
1 1/4	1.660	0.065	0.109	0.140	0.191	1.50	0.19	1.50	3.75	2.75	2.50	2.06
1 1/2	1.900	0.065	0.109	0.145	0.200	1.50	0.20	1.50	4.50	3.25	3.00	2.44
2	2.375	0.065	0.109	0.154	0.218	1.50	0.22	1.75	6.00	4.19	4.00	3.19
2 1/2	2.875	0.083	0.120	0.203	0.276	1.50	0.28	2.00	7.50	5.19	5.00	3.94
3	3.500	0.083	0.120	0.216	0.300	2.00	0.30	2.50	9.00	6.25	6.00	4.75
3 1/2	4.000	0.083	0.120	0.226	0.318	2.50	0.32	3.00	10.50	7.25	7.00	5.50
4	4.500	0.083	0.120	0.237	0.337	2.50	0.34	3.00	12.00	8.25	8.00	6.25
5	5.563	0.109	0.134	0.258	0.375	3.00	0.38	3.50	15.00	10.31	10.00	7.75
6	6.625	0.109	0.134	0.280	0.432	3.50	0.43	4.00	18.00	12.31	12.00	9.31
8	8.625	0.109	0.148	0.322	0.500	4.00	0.50	5.00	24.00	16.31	16.00	12.31
10	10.750	0.134	0.165	0.365	0.500	5.00	0.50	6.00	30.00	20.38	20.00	15.38
12	12.750	0.156	0.180	0.375	0.500	6.00	0.50	7.00	36.00	24.38	24.00	18.38
14	14.000	0.156	0.188	-	-	6.50	0.50	7.50	42.00	28.00	28.00	21.00
16	16.000	0.165	0.188	-	-	7.00	0.50	8.00	48.00	32.00	32.00	24.00
18	18.000	0.165	0.188	-	-	8.00	0.50	9.00	54.00	36.00	36.00	27.00
20	20.000	0.188	0.218	-	-	9.00	0.50	10.00	60.00	40.00	40.00	30.00
22	22.000	0.188	0.218	-	-	10.00	0.50	10.00	66.00	44.00	44.00	33.00
24	24.000	0.218	0.250	-	-	10.50	0.50	12.00	72.00	48.00	48.00	36.00
30	30.000	0.250	0.312	-	-	10.50	-	-	-	-	-	-

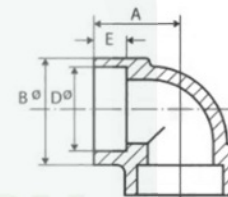
Note: other size dimensions please contact our expert at info@pipvalcon.co.id

FORGED FITTING

ELBOW 90° THREADED



NW (Plug)	2.000 Lb			3.000 Lb			6.000 Lb		
	A (mm)	Bø (mm)	Weight Peso ≈ (kg%)	A (mm)	Bø (mm)	Weight Peso ≈ (kg%)	A (mm)	Bø (mm)	Weight (kg%)
1/4	24,5	25,5	14	24,5	25,5	14	28,5	33,5	30
3/8	24,5	25,5	12,5	28,5	33,5	27	33,5	38	45,5
1/2	28,5	33,5	22	33,5	38	41,5	38	46	72
3/4	33,5	38	32	38	46	65	44,5	55,5	115,5
1	38	46	47	44,5	55,5	103,5	51	62	161,5
1¼	44,5	55,5	74	51	62	130,5	60,5	75,5	267
1½	51	62	92,5	60,5	75,5	221,5	63,5	84	320,5
2	60,5	75,5	153,5	63,5	84	247	86	110	794
2½	76	92	298	86	110	734	95,5	120,5	985
3	86	110	454	95,5	120,5	778	114,5	152,5	1.800
4	114,5	152,5	1.328	114,5	152,5	1.328	-	-	-



ELBOW 90° SOCKETWELD

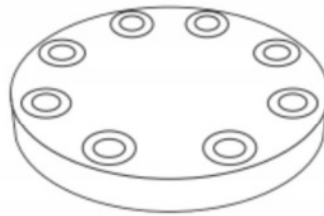
NW (Plug)	3.000 Lb					6.000 Lb				
	A (mm)	Bø (mm)	Dø (mm)	E (mm)	Weight (kg%)	A (mm)	Bø (mm)	Dø (mm)	E (mm)	Weight (kg%)
1/4	24,5	25,5	14	13,5	12	-	-	-	-	-
3/8	24,5	25,5	17,5	11	10,4	-	-	-	-	-
1/2	28,5	33,5	21,7	12,5	21,8	33,5	38	21,7	14,5	40
3/4	33,5	38	27,1	14,5	30,8	38	46	27,1	16	62,1
1	38	46	33,8	16	46,7	44,5	55,5	33,8	17,5	102,1
1¼	44,5	55,5	42,6	17,5	67,1	51	62	42,6	19	132,1
1½	51	62	48,7	19	90,2	60,5	75,5	48,7	22	237
2	60,5	75,5	61,1	22	136,1	63,5	84	61,1	22	272,4
2½	76	92	73,8	34,5	280	86	110	73,8	30	580
3	86	110	89,8	29	440	95,5	120,5	89,8	32	840
4	114,5	152,5	115,4	48	1.330	114,5	152,5	115,4	35	1.580

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

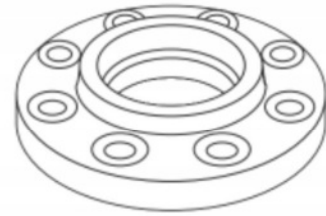
FLANGE



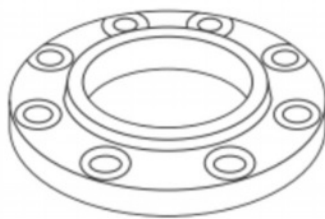
Flanges || Lap Joint



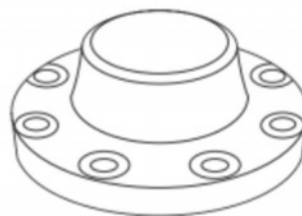
Flanges || Blind



Flanges || Socket Weld



Flanges || Slip On



Flanges || Welding Neck

FLANGE

Summary Of Specification

Forged Carbon, Alloy and Stainless Steel Flanges to American Standards were designed for used with pipes and fittings to American Standards, but can also be attached, in certain sizes to pipes made to British Standards.

SIZES 15 – 600mm

CLASS 150, 300, 400, 600, 900, 1500 & 2500
Dimensions are for Flanges made to the dimensional requirements of ANSI B16.5 which is the accepted American Standard for all Flanges in sizes to 600mm bore.

SIZES ABOVE – 600mm

Steel Flanges above 600mm bore can be made to various American Standards. Our standard range of large diameter flanges is as follows:
CLASS 150

Dimensions to ANSI B16.1 (BS3292). Steel Flanges can be supplied exactly to ANSI B16.1 (i.e. Class 125 Flat Faced as for cast iron flanges), or with 1.6mm Raised Face.

CLASS 300, 400, 600, 900
Dimensions to *MSS-SP44 or BS 3293.

*M S S -S P 4 4

A Standard developed by the manufacturers Standardisation Society (of the valves and Fittings Industry) to provide uniform dimensions of flanges for use with high-pressure pipelines larger than 600mm diameter. This designs were predicated on flanges being used with API 5LX line-pipe of 52,000 lbs. minimum yield strength, and were proportioned accordingly.

This Standard can be taken as being the extension of ANSI B16.5 in sizes above 600mm bore.

Unless specifically requested by customer at time of ordering, flanges above 600mm will be supplied in accordance with specification held in stock at that time.

Large Diameter Flange Standard

ANSI B16.1b

This Standard establishes dimensions for Class 250 Cast Iron Flanges above 600mm, (as ANSI B16.1 gives dimensions for large diameter Class 125 Cast Iron Flanges).

API 605

American Petroleum Institute Standard intended primarily for use in Oil and Gas production. API 605 dimensions DO NOT match ANSI, MSS or BS dimensions of similar pressure class.

AWWA C207-54T

This is a Standard published by the American Waterworks Association for steel Flanges to be used on waterworks and sewerage pipes. These flanges match Class 125 Cast Iron Flanges (ANSI B16.1) in most dimensions.

CLASSES 125LW, 175 & 350

These are Standards developed over the years by a number of manufacturers, not all using exactly the same dimensions.

TEMA FLANGES

The Tubular Exchangers Manufacturers Association (TEMA) lays down standards for dimensions and material specifications for Shell Flanges, Cover Flanges, Long Welding Necks for Nozzles and other heat exchanger components. Details can be supplied on application.

BS.3293: 1960

This British Standards established dimensions for flanges for petroleum industry use, in Class 150, 300, 400 and 600mm NB, which correspond exactly to those of MSS SP-44 in Class 300, 400 and 600
Class 900 is not included in the British Standard, but dimensions are given for Class 150, 600-700mm which are similar to those of ANSI B16.1, Class 125.

BS .156 0

This British Standard is based on ANSI B16.5, and lists Steel Pipe Flanges to the same dimensions, pressure classes and in the same sizes as the American Standard up to 600m.



FLANGE

Flange Dimension

ASME/ANSI – B 16.5

ANSI 150–2.500 Lb.

Nominal Size	OD			Inside Diameter Of Large and Small Groove	OD			Inside Diameter Of Large And Small Groove	Height Large and Small Male and Tongue 150 Lb and up	Depth of Groove or Female	OD of Raised Portion	
	Raised Face Large Male and Large Tongue	Small Male	Small Tongue		Large Female and Large Groove	Small Female	Small Groove				Small Female and Groove	Large Female and Groove
	R mm. Inches	S mm. Inches	T mm. Inches	U mm. Inches	W mm. Inches	X mm. Inches	Y mm. Inches	Z mm. Inches			K mm. Inches	L mm. Inches
½"	34,90 1 3/8	18,25 23/22	34,90 1 3/8	25,40 1	36,50 1 7/16	19,80 25/32	36,50 1 7/16	23,80 15/16	6,35 ¼	4,80 3/16	44,35 1 ¾	46,03 1 13/16
¾"	42,90 1 11/16	23,80 15/16	42,90 1 11/16	33,30 1 5/16	44,40 1 ¾	25,40 1	44,40 1 ¾	31,70 1 ¼	6,35 ¼	4,80 3/16	52,38 2 1/16	53,97 2 1/8
1"	50,80 2	30,20 1 3/16	47,60 1 7/8	38,10 1 ½	52,40 2 1/16	31,70 1 ¼	49,20 1 15/16	36,50 1 7/16	6,35 ¼	4,80 3/16	57,15 2 ¼	61,91 2 7/16
1¼"	63,50 2 ½	38,10 1 ½	57,10 2 ¼	47,60 1 7/8	65,10 2 9/16	39,70 1 9/16	58,70 2 5/16	46,00 1 13/16	6,35 ¼	4,80 3/16	66,68 2 5/8	74,61 2 15/16
1½"	73,00 2 7/8	44,40 1 ¾	54,00 2 ½	54,00 2 1/8	74,60 2 15/16	46,00 1 13/16	65,10 2 9/16	52,40 2 1/16	6,35 ¼	4,80 3/16	73,02 2 7/8	84,14 3 5/16
2"	92,10 3 5/8	57,10 2 ¼	82,50 3 ¼	73,00 2 7/8	93,70 3 11/16	58,70 2 5/16	84,10 3 5/16	71,40 2 13/16	6,35 ¼	4,80 3/16	92,08 3 5/8	103,19 4 1/16
2½"	104,80 4 1/8	68,30 2 11/16	95,20 3 ¾	85,70 3 3/8	106,40 4 3/16	69,80 2 ¾	96,80 3 13/16	84,10 3 5/16	6,35 ¼	4,80 3/16	104,78 4 1/8	115,89 4 9/16
3"	127,00 5	84,10 3 5/16	117,50 4 5/8	107,95 4 ¼	128,60 5 1/16	85,70 3 3/8	119,10 4 11/16	106,40 4 3/16	6,35 ¼	4,80 3/16	127,00 5	138,11 5 7/16
3½"	139,70 5 ½	96,80 3 13/16	130,20 5 1/8	120,65 4 ¾	141,30 5 9/16	98,40 3 7/8	131,80 5 3/16	119,10 4 11/16	6,35 ¼	4,80 3/16	139,70 5 ½	150,81 5 15/16
4"	152,20 6 3/16	109,50 4 5/16	144,50 5 11/16	131,80 5 3/16	158,75 6 ¼	111,10 4 3/8	146,05 5 ¾	130,20 5 1/8	6,35 ¼	4,80 3/16	157,16 6 3/16	168,28 6 5/8
5"	185,70 7 5/16	136,50 5 3/8	173,00 6 13/16	160,30 6 5/16	187,30 7 3/8	138,10 5 7/16	174,60 6 7/8	158,75 6 ¼	6,35 ¼	4,80 3/16	185,74 7 5/16	196,85 7 ¾
6"	215,90 8 ½	161,90 6 3/8	203,20 8	190,50 7 ½	217,50 8 9/16	163,50 6 7/16	204,80 8 1/16	188,90 7/16	6,35 ¼	4,80 3/16	215,90 8 ½	227,01 8 15/16
8"	269,90 10 5/8	212,70 8 3/8	254,00 10	238,10 9 3/8	271,50 10 11/16	214,30 8 7/16	255,60 10 1/16	236,50 9 5/16	6,35 ¼	4,80 3/16	269,88 10 5/8	280,99 11 1/16
10"	323,80 12 ¾	266,70 10 ½	304,80 12	285,10 11 ¼	325,40 12 13/16	268,30 10 9/16	306,40 12 1/16	284,20 11 3/16	6,35 ¼	4,80 3/16	323,85 12 ¾	334,96 13 3/16
12"	381,00 15	317,50 12 ½	361,90 14 ¼	342,90 13 ½	382,60 15 1/16	319,10 12 9/16	363,50 14 5/16	341,30 13 7/16	6,35 ¼	4,80 3/16	381,00 15	392,11 15 7/16
14"	412,70 16 ¼	349,20 13 ¾	393,70 15 ½	374,60 14 ¾	414,30 16 5/16	350,80 13 13/16	395,30 15 9/16	373,10 14 11/16	6,35 ¼	4,80 3/16	412,75 16 ¼	423,86 16 11/16
16"	469,90 18 ½	400,00 15 ¾	447,70 17 5/8	425,40 16 ¾	471,50 18 9/16	401,60 15 13/16	449,25 17 11/16	423,85 16 11/16	6,35 ¼	4,80 3/16	469,90 18 ½	481,01 18 15/16
18"	533,40 21	450,80 17 ¾	511,20 20 1/8	488,90 19 ¼	535,00 21 1/16	452,40 17 13/16	512,75 20 3/16	487,35 19 3/16	6,35 ¼	4,80 3/16	533,40 21,00	544,53 21 7/16
20"	584,20 23	501,60 19 ¾	558,80 22	533,40 21	585,80 23 1/16	503,20 19 13/16	560,40 22 1/16	531,80 20 15/16	6,35 ¼	4,80 3/16	584,20 23,00	595,31 23 7/16
24"	692,10 27 ¼	603,20 23 ¾	666,70 26 ¼	641,30 25 ¼	693,70 27 5/16	604,80 23 13/16	668,30 26 5/16	639,75 25 3/16	6,35 ¼	4,80 3/16	692,15 27 ¼	703,26 27 11/16

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

FLANGE

Dimension Of RTJ Flanges

ASME/ANSI – B16.5/B16.20

RTJ–OCTAGONAL RING JOINT ANSI 150 LB.

Nominal Pipe Size	Pitch Diam. Ring & Groove	Groove Dimensions			Ring Dimensions				Diameter Raised Face	Distance between Flanges when Rising is Compressed	Ring and Groove Number
		Width	Depth	Radius	Width	Height	Width				
		F mm. Inches	E mm. Inches	R mm. Inches	A mm. Inches	B mm. Inches	H mm. Inches	C mm. Inches			
1"	47.62 1 7/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	63.50 2 1/2	3.97 5/32	R15
1 1/4"	57.15 2 1/4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	73.00 2 7/8	3.97 5/32	R17
1 1/2"	65.09 2 9/16	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	82.60 3 1/4	3.97 5/32	R19
2"	82.55 3 1/4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	101.60 4	3.97 5/32	R22
2 1/2"	101.60 4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	120.70 4 3/4	3.97 5/32	R25
3"	114.30 4 1/2	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	133.40 5 1/4	3.97 5/32	R29
3 1/2"	131.76 5 3/16	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	154 6 1/16	3.97 5/32	R33
4"	149.22 5 7/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	171.50 6 3/4	3.97 5/32	R36
5"	171.45 6 3/4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	193.70 7 5/8	3.97 5/32	R40
6"	193.68 7 5/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	219.10 8 5/8	3.97 5/32	R43
8"	247.65 9 3/4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	273.10 10 3/4	3.97 5/32	R48
10"	304.80 12	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	320.20 13	3.97 5/32	R52
12"	381.00 15	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	406.40 16	3.97 5/32	R56
14"	396.88 15 5/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	425.50 16 3/4	3.18 1/8	R59
16"	454.02 17 7/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	482.60 19	3.18 1/8	R64
18"	517.52 20 3/8	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	546.1 21 1/2	3.18 1/8	R68
20"	558.80 22	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	596.90 23 1/2	3.18 1/8	R72
22"	615.95 24 1/4	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	647.70 25 1/2	3.18 1/8	R80
24"	673.10 26 1/2	8.70 11/32	6.35 1/4	0.79 1/32	790 5/16	14.30 9/16	12.70 1/2	5.23 0.206	711.20 28	3.18 1/8	R76

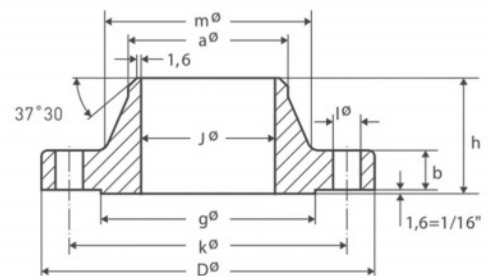
The depth of groove is added to the minimum flange thickness.
Radius "r" is 1/16 for rings widths 7/8" and less and 3/32" for ring widths 1" and over.

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

FLANGE

Dimension & Weight Of Flanges

ASME/ANSI B 16.5

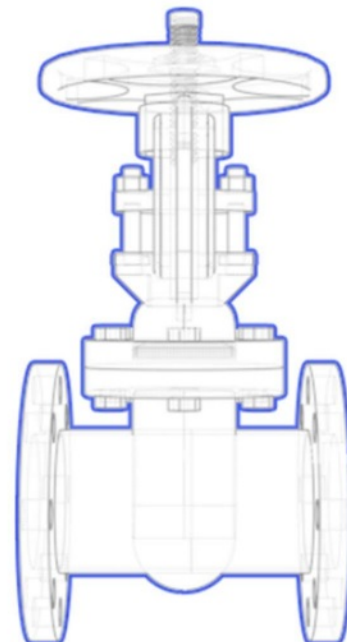
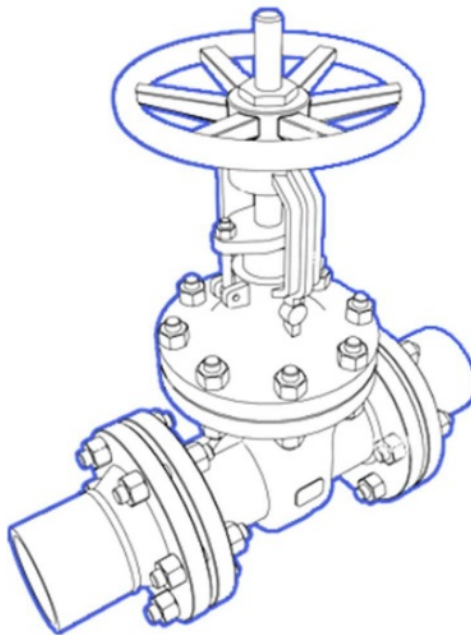
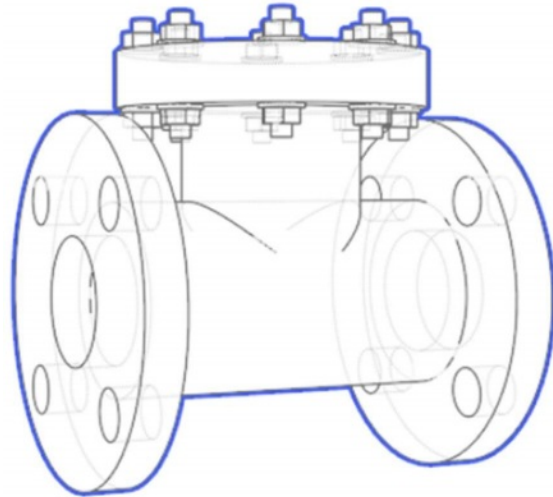
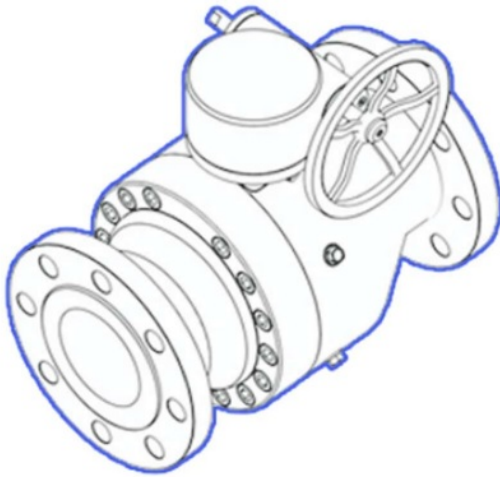


WELDING NECK ANSI 150 LB.

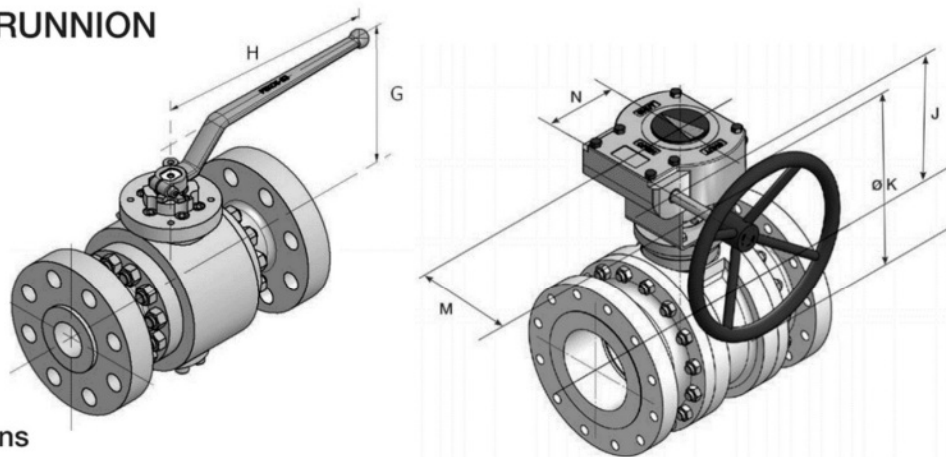
Nominal Pipe Size	Flange				Hub			Raised Face	Drilling Template			Approx. Weight kg. Pounds
	D mm. Inches	J mm. Inches	b mm. Inches	h mm. Inches	a mm. Inches	m mm. Inches	g mm. Inches		Number	l mm. Inches	k mm. Inches	
½"	88,9 3 ½	15,75 0,62	11,1 7/16	47,6 1 7/8	21,3 0,84	30,2 1 3/16	34,9 1 3/8		4	15,8 5/8	60,3 2 3/8	0,9 2
¾"	98,4 3 7/8	20,8 0,82	12,7 ½	52,4 2 1/16	26,7 1,05	38,1 1 ½	42,9 1 11/16		4	15,8 5/8	69,8 2 ¾	0,9 2
1"	107,9 4 ¼	26,7 1,05	14,3 9/16	55,6 2 3/16	33,5 1,32	49,2 1 15/16	50,8 2		4	15,8 5/8	79,4 3 1/8	1,4 3
1 ¼"	117,5 4 5/8	35,05 1,38	15,9 5/8	57,1 2 ¼	42,2 1,66	58,7 2 5/16	63,5 2 ½		4	15,8 5/8	88,9 3 ½	1,4 3
1 ½"	127,0 5	40,9 1,61	17,5 11/16	61,9 2 7/16	48,3 1,90	65,1 2 9/16	73,0 2 7/8		4	15,8 5/8	98,4 3 7/8	1,8 4
2"	152,4 6	52,6 2,07	19,1 ¾	63,5 2 ½	60,4 2,38	77,8 3 1/16	92,1 3 5/8		4	19,05 ¾	120,6 4 ¼	2,7 6
2 ½"	177,8 7	62,7 2,47	22,2 7/8	69,8 2 ¾	73,1 2,88	90,5 3 9/16	104,8 4 1/8		4	19,05 ¾	139,7 5 ½	3,6 8
3"	190,5 7 ½	78,0 3,07	23,8 15/16	69,8 2 ¾	88,9 3,50	107,9 4 ¼	127,0 5		4	19,05 ¾	152,4 6	4,5 10
3 ½"	215,9 8 ½	90,2 3,55	23,8 15/16	71,4 2 13/16	101,6 4,00	122,2 4 13/16	139,7 5 ½		8	19,05 ¾	177,8 7	5,4 12
4"	228,6 9	102,4 4,03	23,8 15/16	76,2 3	114,3 4,50	134,9 5 5/16	157,2 6 3/16		8	19,05 ¾	190,5 7 ½	6,8 15
5"	254,0 10	128,3 5,05	23,8 15/16	88,9 3 ½	141,2 5,56	163,5 6 7/16	185,7 7 5/16		8	22,2 7/8	215,9 8 ½	8,6 19
6"	279,4 11	154,2 6,07	25,4 1	88,9 3 ½	168,4 6,63	192,1 7 9/16	215,9 8 ½		8	22,2 7/8	241,3 9 ½	10,9 24
8"	342,9 13 ½	202,7 7,98	28,6 1 1/8	101,6 4	219,2 8,63	246,1 9 11/16	269,9 10 5/8		8	22,2 7/8	298,4 11 ¾	17,7 39
10"	406,4 16	254,5 10,02	30,2 1 3/16	101,6 4	273,0 10,75	304,8 12	323,8 12 ¾		12	25,4 1	361,9 14 ¼	23,6 52
12"	482,6 19	304,8 12,00	31,8 1 ¼	114,3 4 ½	323,8 12,75	365,1 14 3/8	381,0 15		12	25,4 1	431,8 17	36,3 80
14"	533,4 21		34,9 1 3/8	127,0 5	355,6 14,00	400,0 15 ¾	412,7 16 ¼		12	28,6 1 1/8	476,2 18 ¾	50,0 110
16"	596,9 23 ½		36,5 1 7/16	127,0 5	406,4 16,00	457,2 18	469,9 18 ½		16	28,6 1 1/8	539,7 21 ¼	64,0 140
18"	635,0 25		39,7 1 9/16	139,7 5 ½	457,2 18,00	504,8 19 7/8	533,4 21		16	31,7 1 ¼	577,8 22 ¾	68,0 150
20"	698,5 27 ½		42,9 1 11/16	144,5 5 11/16	508,0 20,00	558,8 22	584,2 23		20	31,7 1 ¼	635,0 25	81,6 180
22"	749,3 29 ½		46 1 13/16	149,2 5 7/8	558,8 22,00	616 24 ¼	641,2 25 ¼		20	34,9 1 3/8	692,1 27 ¼	102 225
24"	812,8 32		47,6 1 7/8	152,4 6	609,6 24,00	663,6 26 1/8	692,1 27 ¼		20	34,9 1 3/8	749,3 29 ½	118 260

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

VALVE



FULL TRUNNION



Dimensions

Class 150/300/600

NPS		D		L (RF)			L1(RTJ)			L2 (BW) (SW)			E		
FB	RB	150-600 FB	150-600 RB	150	300	600	150	300	600	150	300	600	150	300	600
2	-	50	-	178	216	292	191	232	295	216	292	216	152	165	165
3	3 x 2	75	50	203	283	356	215	300	359	283	283	356	191	210	210
4	4 x 3	100	75	229	305	432	241	321	435	305	305	432	229	254	273
6	6 x 4	150	100	394	403	559	406	419	562	457	457	559	279	318	356
8	8 x 6	201	150	457	502	660	470	518	663	521	521	660	343	381	419
10	10 x 8	252	201	533	568	787	545	584	790	559	559	787	406	445	508
12	12 x 10	303	252	610	648	838	622	664	841	635	635	838	483	521	559
14	14 x 10	334	252	686	762	889	698	778	891	762	762	889	535	585	605
16	16 x 12	385	303	762	838	991	774	854	977	838	838	991	595	650	685
18	18 x 14	438	334	864	914	1092	877	930	1095	914	914	1092	635	710	745
20	20 x 16	487	385	914	991	1194	927	1007	1200	991	991	1194	700	775	815
24	24 x 20	589	487	1067	1143	1397	1060	1165	1407	1143	1143	1397	815	915	940

NPS		Class 150							Class 300							Class 600							
FB	RB	G	H	J	K	M	N	ISO 5211	G	H	J	K	M	N	ISO 5211	G	H	J	K	M	N	ISO 5211	
2"	3" x 2"	154	293	-	-	-	-	F07	153	293	-	-	-	-	F07	154	293	-	-	-	-	-	F07
3"	4" x 3"	207	350	-	-	-	-	F10	205	350	-	-	-	-	F10	181	350	-	-	-	-	-	F10
4"	6" x 4"	221	350	-	-	-	-	F10	220	350	-	-	-	-	F10	-	-	-	397	500	189	86	F12
6"	8" x 6"	268	680	-	-	-	-	F12	-	-	372	500	189	86	F12	-	-	-	401	500	189	86	F14
8"	10" x 8"	-	-	347	500	189	86	F14	-	-	427	500	189	86	F14	-	-	-	397	500	230	105	F16
10"	12" x 10" 14" x 10"	-	-	392	500	230	105	F14	-	-	472	500	230	105	F14	-	-	-	456	500	275	130	F16
12"	16" x 12"	-	-	454	500	230	105	F14	-	-	545	500	230	105	F14	-	-	-	526	500	335	211	F25
14"	18" x 14"	-	-	504	500	275	130	F16	-	-	517	500	275	130	F16	-	-	-	619	600	300	182	F25
16"	20" x 16"	-	-	554	600	300	182	F16	-	-	561	600	300	182	F16	-	-	-	600	669	388	263	F25
18"	-	-	-	621	600	388	263	F25	-	-	621	600	388	263	F25	-	-	-	600	689	429	278	F30
20"	24" x 20"	-	-	655	600	429	278	F25	-	-	671	600	429	278	F25	-	-	-	700	736	499	431	F30
24"	-	-	-	791	700	499	431	F30	-	-	791	700	499	431	F30	-	-	-	700	816	499	431	F30

Class 900/1500/2500

NPS		D						L (RF)			L1(RTJ)			L2 (BW) (SW)			E		
FB	RB	900 FB	900 RB	1500 FB	1500 RB	2500 FB	2500 RB	900	1500	2500	900	1500	2500	900	1500	2500	900	1500	2500
2	-	50	-	50	-	42	-	368	368	451	371	371	454	368	368	451	215	215	235
3	3 x 2	75	50	75	50	62	42	381	470	578	384	473	584	381	470	578	240	240	265
4	4 x 3	100	75	100	75	87	62	457	546	673	460	549	683	457	546	673	290	310	355
6	6 x 4	150	100	144	100	131	87	610	705	914	613	711	927	610	705	914	380	395	485
8	8 x 6	201	150	192	144	179	131	737	832	1022	740	841	1038	737	832	1022	470	485	550
10	10 x 8	252	201	239	192	223	179	838	991	1270	841	1000	1292	838	991	1270	545	585	675
12	12 x 10	303	252	287	239	265	223	965	1130	1422	968	1146	1445	965	1130	1422	610	675	760
14	14 x 10	334	252	315	239	-	-	1029	1250	-	1039	1276	-	1029	1250	-	640	750	-
16	16 x 12	373	303	360	287	-	-	1130	1384	-	1140	1407	-	1130	1384	-	705	825	-
18	18 x 14	423	334	-	-	-	-	1219	-	-	1221	-	-	1219	-	-	785	-	-
20	20 x 16	471	373	-	-	-	-	1321	-	-	1334	-	-	1321	-	-	855	-	-

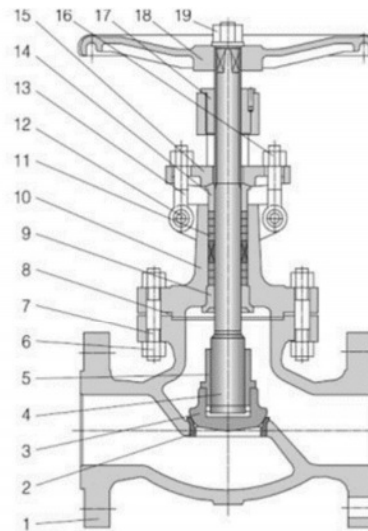
NPS				Class 900					Class 1500								Class 2500							
FB	RB	G	H	J	K	M	N	ISO 5211	G	H	J	K	M	N	ISO 5211	G	H	J	K	M	N	ISO 5211		
2"	3" x 2"	203	350	-	-	-	-	F10	203	350	-	-	-	-	F10	-	-	-	319	500	201	71	F12	
3"	4" x 3"	-	-	343	500	201	71	F12	-	-	347	500	189	86	F12	-	-	-	392	500	189	86	F14	
4"	6" x 4"	-	-	371	500	189	86	F12	-	-	372	500	230	105	F14	-	-	-	366	500	230	105	F16	
6"	8" x 6"	-	-	429	500	230	105	F14	-	-	381	500	275	130	F16	-	-	-	414	500	335	211	F25	
8"	10" x 8"	-	-	361	500	346	185	F16	-	-	459	500	335	211	F25	-	-	-	487	600	388	263	F25	
10"	12" x 10"	-	-	474	500	275	130	F16	-	-	527	600	388	263	F25	-	-	-	527	600	388	263	F30	
12"	16" x 12"	-	-	556	500	335	211	F25	-	-	559	600	388	263	F30	-	-	-	567	600	429	278	F35	
14"	18" x 14"	-	-	649	600	388	263	F30	-	-	559	600	429	278	F30	-	-	-	-	-	-	-	-	
16"	20" x 16"	-	-	699	600	388	263	F30	-	-	651	700	499	431	F35	-	-	-	-	-	-	-	-	
18"	-	-	-	746	700	499	431	F35	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20"	-	-	-	771	700	499	431	F35	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Valves up to ISO 5211 F14: Gear box assembled to the valve with mounting bracket.

Valves with ISO 5211 F16 and higher: Gear box assembled directly without mounting bracket.

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

GLOBE VALVE



Standards

Design and Manufacture: BS1873, ASME B16.34

Inspection and Test: API 598

End flange dimension: ASME B16.5

BW end dimension: ASME B16.25

Socket-weld dimension: ASME B16.11

Face to face: ASME B16.10

Pressure-temperature ratings: ASME B16.34

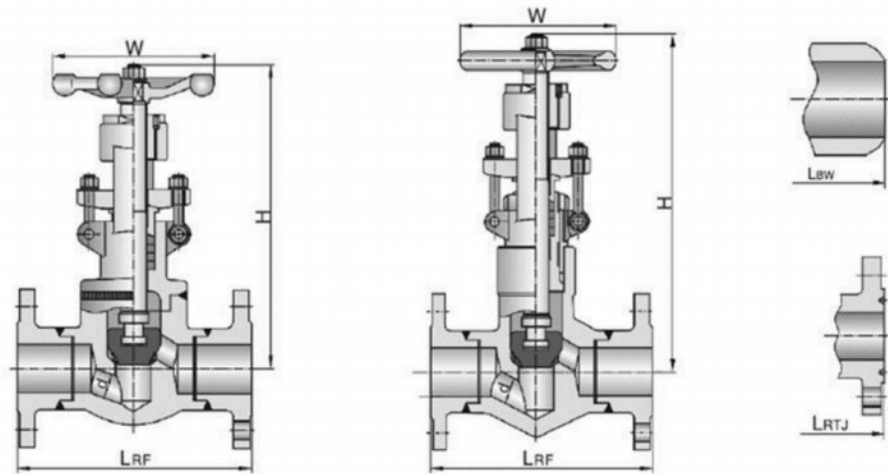
Main Parts & Material List

Parts No.	Parts Name	Materials				
		WCB/Trim 1	WCB/Trim 5	WCB/Trim 8	CF8/304	CF8M/316
1	Body	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	Seat Ring	A105 + 13Cr	A105 + STL	A105 + STL	ASTM A351 CF8	ASTM A351 CF8M
3	Disc	ASTM A216 WCB + 13Cr	ASTM A216 WCB + STL	ASTM A216 WCB + 13Cr	ASTM A351 CF8	ASTM A351 CF8M
4	Stern	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
5	Disc Nut	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
6	Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
7	Bolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
8	Gasket	304+Graphite	304+Graphite	304+Graphite	304+Graphite	316+Graphite
9	Backseat Bushing	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A351 CF8	ASTM A351 CF8M
10	Bonnet	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
11	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
12	Eyebolt Pin	ASTM A36	ASTM A36	ASTM A36	304SS	316SS
13	Gland Eyebolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
14	Gland	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
15	Gland Flange	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
16	Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
17	Stern Nut	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2
18	Hand Wheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
19	Hand Wheel Nut	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel

Note: The chart above only lists out some common composition of steel check valve parts. We may provide other different parts material composition according to the customer's request or the actual valve working condition.

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

GLOBE VALVE



Pressure: Class900 ~ 1500

- Bolted Bonnet/Welded Bonnet/Pressure Sealed Bonnet
- Full Port
- General Type Disc
- Flange Ends/Butt-welding Ends

Technical Specification

Design Standard	API 602
Pressure-Temperature Rating	ASME B16.34
Face-to-face	ASME B16.10
Flange Ends	ASME B16.5
Butt-welding Ends	ASME B16.25
Inspection & Test	API 598

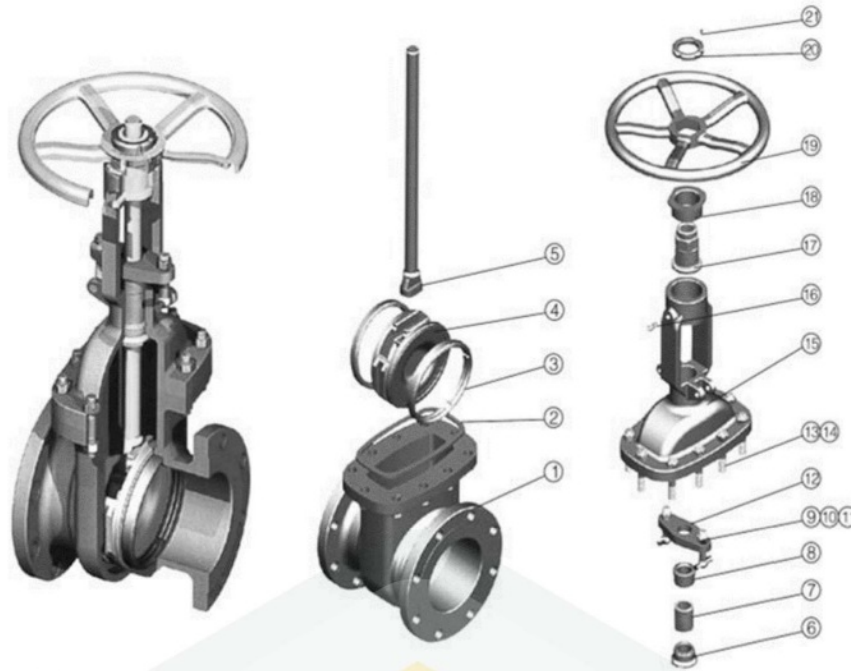
Main Dimensions & Weight

Pressure	Size		Dimension (mm)							Weight (kg)	
	mm	in	d(Full Port)	L _{RF}	L _{BW}	L _{RTJ}	H		W	BB/WB	PSB
							BB/WB	PSB			
Class900	15	1/2	13	216	216	216	207	207	125	7.4	15.5
	20	3/4	18	229	229	229	240	207	125	12.5	16.9
	25	1	24	254	254	254	258	240	160	16.0	18.9
	32	1 1/4	29	279	279	279	290	258	160	17.2	25.5
	40	1 1/2	36.5	305	305	305	337	290	180	23.0	34.3
	50	2	46.5	368	368	371.2	354	337	240	29.8	52.8
Class1500	15	1/2	13	216	216	216	207	207	125	7.4	15.5
	20	3/4	18	229	229	229	240	207	125	12.5	16.9
	25	1	24	254	254	254	258	240	160	16.0	18.9
	32	1 1/4	29	279	279	279	290	258	160	17.2	25.5
	40	1 1/2	36.5	305	305	305	337	290	180	23.0	34.3
	50	2	46.5	368	368	371.2	354	337	240	29.8	52.8

Note: H means the height when valve is fully opened.

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

GATE VALVE



Main Parts & Material List

Parts No.	Parts Name	Materials				
		WCB/Trim 1	WCB/Trim 5	WCB/Trim 8	CF8/304	CF8M/316
1	Body	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	Gasket	Soft Iron + Graphite or 304 + Graphite			304 + Graphite	316 + Graphite
3	Seat Ring	A105 + 13Cr	A105 + STL	A105 + STL	ASTM A351 CF8	ASTM A351 CF8M
4	Gate	ASTM A216 WCB + 13Cr	ASTM A216 WCB + STL	ASTM A216 WCB + 13Cr	ASTM A351 CF8	ASTM A351 CF8M
5	Stem	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
6	Backseat Bushing	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A351 CF8	ASTM A351 CF8M
7	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
8	Gland	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
9	Gland Eyebolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
10	Eyebolt Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
11	Eyebolt Pin	ASTM A36	ASTM A36	ASTM A36	304SS	316SS
12	Gland Flange	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
13	Bonnet Bolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
14	Bonnet Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
15	Bonnet	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
16	Zerk	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
17	Stem Nut	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2
18	Yoke Sleeve Nut	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
19	Hand Wheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
20	Hand Wheel Nut	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
21	Set Socket	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7

Note: The chart above only lists out some common composition of steel gate valve parts. We may provide other different parts material composition according to the customer's request or the actual valve working condition.

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

Technical drawings illustrating valve configurations for different sizes and operations:

- NPS $\leq 1\frac{1}{4}$** : Shows a valve with dimensions ΦW , $H(\text{open})$, L , and Φd .
- Handwheel (RF)**: Shows a valve with dimensions ΦW , $H(\text{open})$, L , and Φd .
- Valves $\geq \text{DN}200$** : Shows a valve with dimensions ΦW and $H(\text{open})$.
- Valves $\geq \text{DN}250$** : Shows a valve with dimensions ΦW and $H(\text{open})$.
- RTJ End**: Shows a valve with dimensions L and Φd .
- BW End**: Shows a valve with dimensions L and Φd .
- Gear Operation**: Shows a valve with dimensions ΦW , $H(\text{open})$, L , and Φd .

Class	Size		Dimensions(mm)								Weight(kg)	
	NPS	DN	L			d	H	H ₁	W	W ₁	H.W	G.O
			RF	RTJ	BW							
Class300	1/2	15	140	151	140	14	198	—	120	—	6	—
	3/4	20	152	165	152	19	215	—	140	—	7	—
	1	25	165	178	165	25	245	—	160	—	10	—
	1 1/4	32	178	191	178	32	306	—	180	—	15	—
	1 1/2	40	190	203	190	38	400	—	200	—	21	—
	2	50	216	232	216	51	420	—	200	—	25	—
	2 1/2	65	241	257	241	64	446	—	200	—	30	—
	3	80	283	298	283	76	537	—	250	—	48	—
	4	100	305	321	305	102	619	650	280	310	73	100
	5	125	381	397	381	127	722	750	300	310	99	126
	6	150	403	419	403	152	806	835	350	310	130	186
	8	200	419	435	419	203	1000	1030	400	310	208	235
	10	250	457	473	457	254	1240	1280	450	310	334	386
	12	300	502	518	502	305	1425	1460	500	310	450	502
	14	350	762	778	762	337	1585	1620	600	460	704	756
	16	400	838	854	838	387	1790	1830	500	460	923	965
	18	450	914	930	914	438	1960	2000	650	460	1131	1224
	20	500	991	1010	991	489	2158	2220	750	460	1345	1400
	24	600	1143	1165	1143	591	2576	2620	900	600	2122	2385
	26	650	1245	1270	1245	633	—	2850	—	600	—	3000
28	700	1346	1372	1346	684	—	3080	—	600	—	3300	
30	750	1397	1422	1397	735	—	3180	—	600	—	3550	
32	800	1524	1553	1524	779	—	3300	—	600	—	4400	
34	850	1626	1654	1626	830	—	3550	—	600	—	5200	
36	900	1727	1756	1727	874	—	3760	—	600	—	6050	

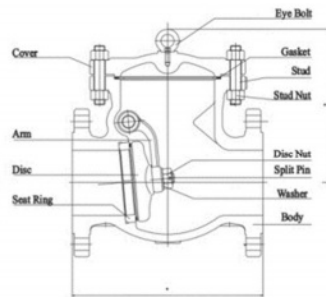
Note: other size dimensions please contact our expert at info@pipvalcon.co.id

CHECK VALVE

CLASS 150 SWING CHECK VALVE

Designed to API 600 Φ

Cast steel swing check valves, Bolted cover, Horizontal or vertical lines.



Standard Parts & Material - Fig. 3A1C1

PARTS	MATERIALS
Body	A216 WCB
Cover	A216 WCB
Disc	A216 WCB + Cr13
Seat Ring	A105 + Cr13/STL
Hinge Arm	A216 WCB
Hinge Pin	A182-F6a
Disc Nut	A194-2H
Gasket	Spiral Wound + Graphite
Cover Bolt	A193-B7
Cover Nut	A194-2H

NOTE: Other valve material composition are available

Dimensions

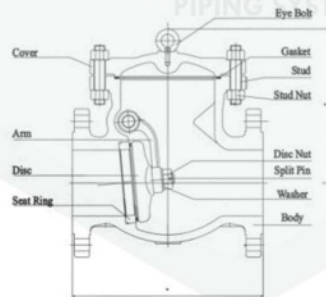
Valve Size			2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
			50mm	65mm	80mm	100mm	125mm	150mm	200mm	250mm	300mm	350mm	400mm	450mm	500mm	600mm
Face to Face (L)	RF	mm	203	216	241	292	330	356	495	622	699	787	864	978	978	1295
	RTJ	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308
	BW	mm	203	216	241	292	330	356	495	622	699	787	864	978	978	1295
Valve Center to Top (H)			mm	155	168	185	205	230	310	345	370	415	460	510	555	650
Approximate Weight			kg	18	24	32	52	75	95	140	205	298	430	540	680	1550

Working Pressure: Carbon Steel - 285 p.s.i. @ 100°F / 38°C

CLASS 300 SWING CHECK VALVE

Designed to API 600 Φ

Cast steel swing check valves, Bolted cover, Horizontal or vertical lines.



Standard Parts & Material - Fig. 3A1C3

PARTS	MATERIALS
Body	A216 WCB
Cover	A216 WCB
Disc	A216 WCB + Cr13
Seat Ring	A105 + Cr13/STL
Hinge Arm	A216 WCB
Hinge Pin	A182-F6a
Disc Nut	A194-2H
Gasket	Spiral Wound + Graphite
Cover Bolt	A193-B7
Cover Nut	A194-2H

NOTE: Other valve material composition are available

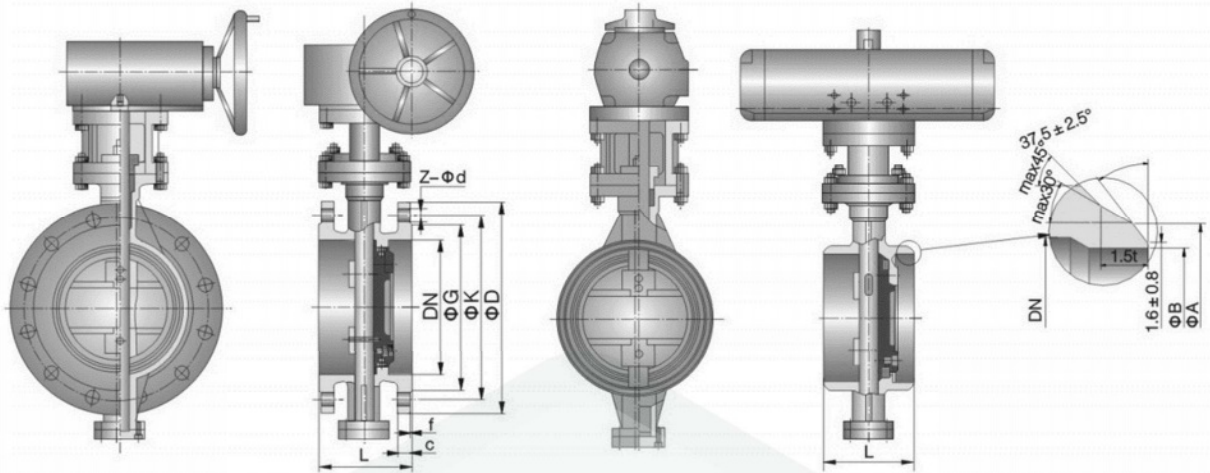
Dimensions

Valve Size			2" 50mm	2½" 65mm	3" 80mm	4" 100mm	5" 125mm	6" 150mm	8" 200mm	10" 250mm	12" 300mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm
Face to Face (L)	RF	mm	267	292	318	356	400	445	533	622	711	838	864	978	1016
	RTJ	mm	283	308	333	371	416	460	549	638	727	854	879	994	1035
	BW	mm	267	292	318	356	400	445	533	622	711	838	864	978	1016
Valve Center to Top (H)		mm	165	185	205	228	250	275	325	378	410	480	530	575	630
Approximate Weight		kg	24	32	46	70	105	136	184	298	415	682	748	980	1320

Working Pressure: Carbon Steel - 740 p.s.i. @ 100°F / 38°C

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

BUTTERFLY VALVE

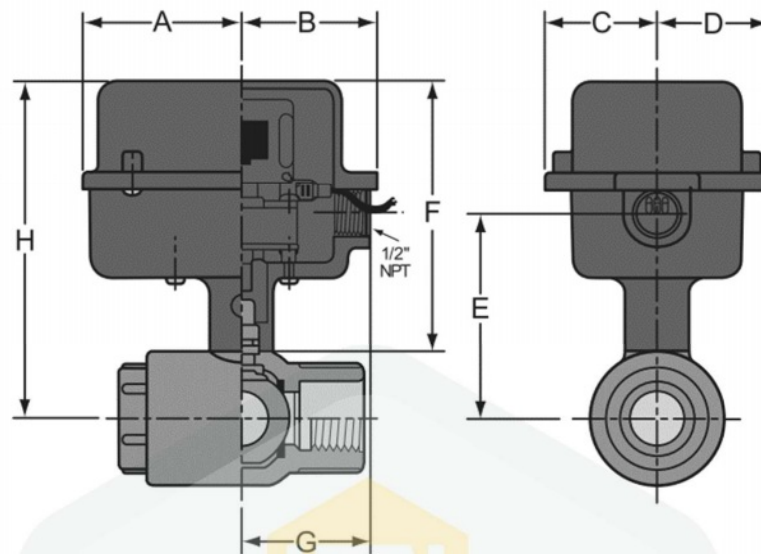


Main Connection Dimension

Class	NPS	DN	Dimensions(mm)									
			L		D	G	f	K	Z-Ød	C	A	B
			RF	BW								
150Lb	2	50	108	150	152	91.9	1.6	120.7	4-19.1	15.8	63	As per client's requirement
	2 1/2	65	112	170	178	104.6	1.6	139.7	4-19.1	17.5	75	
	3	80	114	180	191	127	1.6	152.4	4-19.1	19.1	91	
	4	100	127	190	229	157.2	1.6	190.5	8-19.1	23.9	117	
	5	125	140	200	254	185.7	1.6	215.9	8-22.2	23.9	144	
	6	150	140	210	279	215.9	1.6	241.3	8-22.2	25.4	172	
	8	200	152	230	343	269.7	1.6	298.5	8-22.2	28.4	223	
	10	250	165/203	250	406	323.9	1.6	362	12-25.4	30.2	278	
	12	300	178/203	270	483	381	1.6	431.8	12-25.4	31.8	329	
	14	350	190	290	533	412.8	1.6	476.2	12-28.6	35.1	362	
	16	400	216	310	597	469.9	1.6	539.8	16-28.6	36.6	413	
	18	450	222	330	635	533.4	1.6	577.9	16-31.8	39.6	464	
	20	500	229	350	699	584.2	1.6	635	20-31.8	42.9	516	
	24	600	267	390	813	692.2	1.6	749.3	20-34.9	47.8	619	
	26	650	292	410	786	711.2	1.6	744.5	36-22.2	41.1	670	
	28	700	292	430	837	762	1.6	795.3	40-22.2	44.5	721	
	30	750	318	450	887	812.8	1.6	846.1	44-22.2	44.5	772	
	32	800	318	470	941	863.6	1.6	900.2	48-22.2	46	825	
	36	900	330	510	1057	971.6	1.6	1009.7	44-25.4	52.3	927	
	38	950	410	530	1124	1022.4	1.6	1069.8	40-28.6	53.8	978	
	40	1000	410	550	1175	1079.5	1.6	1120.6	44-28.6	55.6	1029	
	42	1050	410	570	1226	1130.3	1.6	1171.4	48-28.6	58.7	1080	
	44	1100	444	570	1276	1181.1	1.6	1222.2	52-28.6	60.5	1130	
	48	1200	470	630	1392	1289.1	1.6	1335	44-31.8	65	1232	
	52	1300	470	630	1494	1390.7	1.6	1436.6	52-31.8	69.9	1334	
	56	1400	530	710	1600	1492.3	1.6	1543.1	60-31.8	73.2	1436	
	60	1500	530	710	1726	1600.2	1.6	1662.2	52-34.9	76.2	1538	

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

ACTUATED VALVE



Actuated Compact Ball Valve Dimensions

Valve Size	A	B	C	D	E	F	G	H
1/2	2-7/8	2-1/2	2	2	3-3/8	5-5/8	2-5/16	6-5/8
3/4	2-7/8	2-1/2	2	2	3-9/16	5-5/8	2-5/16	6-7/8
1	2-7/8	2-1/2	2	2	3-5/8	5-5/8	2-5/16	7-1/16
1-1/4	3-5/8	2-7/16	2	2	4-3/4	5-7/8	2-7/16	7-5/8
1-1/2	3-5/8	2-7/16	2	2	5	5-7/8	2-7/16	7-7/8
2	3-5/8	2-7/16	2	2	5-1/2	5-7/8	2-7/16	8-3/8

Note: other size dimensions please contact our expert at info@pipvalcon.co.id

PIPE WRAPPING



PIPE WRAPPING



Corrosion Protection System

VALCON seri 7 adalah sistem multi-lapis yang digunakan sebagai perlindungan terhadap korosi eksternal untuk pipa distribusi minyak, gas, dan air baik yang tertanam di dalam tanah maupun di atas tanah. Terdiri dari dua jenis insulasi, 71x sebagai lapisan dalam dan 72x sebagai lapisan luar. Setiap lapisan dibentuk dari 2 jenis bahan yang berbeda, yaitu lembaran karet butil yang dilaminasi di atas lembaran polietilena.

Cairan pelapis **VALCON P730** digunakan sebagai lapisan utama untuk sistem ini. Pelapis berfungsi sebagai lapisan anti-korosi yang akan membentuk permukaan halus dan menutup rapat bagian luar pipa serta meningkatkan daya rekat sistem. Isolasi 71x memastikan daya rekat yang kuat pada permukaan yang dilapisi pelapis VALCON dan Isolasi 72x akan melengkapi perlindungan sebagai lapisan luar.

Product properties		Test method	20 mils - Black	20 mils - white	25 mils - Black	25 mils - white	30 mils - Black	30 mils - white
Tensile strength		ASTM D1000	70 N/cm	70 N/cm	70 N/cm	90 N/cm	90 N/cm	110 N/cm
Elongation		ASTM D1000	350%	350%	380%	380%	350%	350%
Peel adhesion to primed steel	to primed steel pipe	ASTM D1000	25 N/m	-	32 N/m	-	31 N/m	-
	to its carrier		-	6 N/m	-	7 N/m	-	8 N/m
Water vapor transmission rate (24h)		ASTM E96	0.10 g/m ²	0.10 g/m ²	0.13 g/m ²	0.11 g/m ²	0.13 g/m ²	0.11 g/m ²
Cathodic disbondment		ASTM G8	6.4 mm	6.4 mm	6.4 mm	6.4 mm	6.4 mm	6.4 mm
Water absorptivity		ASTM D570	0.08%	0.08%	0.06%	0.06%	0.06%	0.06%
Volume resistivity		ASTM D257	2.5 X 10 ¹⁵ ohm.cm	2.5 X 10 ¹⁵ ohm.cm	2.4 X 10 ¹⁵ ohm.cm	2.7 X 10 ¹⁵ ohm.cm	2.5 X 10 ¹⁵ ohm.cm	2.8 X 10 ¹⁵ ohm.cm
Dielectric strength		ASTM D149	30.0 KV	30.0 KV	30.0 KV	30.0 KV	30.0 KV	30.0 KV
Impact resistance		ASTM G15	6J	7J	6J	7J	7J	8J
Temp. range for application		-	-5° to +65°C	-5° to +65°C	-5° to +65°C	-5° to +65°C	-5° to +65°C	-5° to +65°C
Max. service temperature		-	+80°C	+80°C	+80°C	+80°C	+80°C	+80°C

Note: other specification please contact our expert at info@pipvalcon.co.id

Stockiest - Distributor of Steel Pipes, Pipe-fittings, Flanges, Valves and Instruments.

INSTRUMENTATION



INSTRUMENTATION FITTINGS



DOUBLE FERRULE COMPRESSION FITTINGS



HIGH PRESSURE PIPE FITTINGS



PIPE FITTINGS



BRASS COMPRESSION FITTINGS



WELD TUBE FITTINGS AND METAL GASKET FACE SEAL FITTINGS



JIC FITTINGS



TUBE INSERTS AND PIPE FERRULE



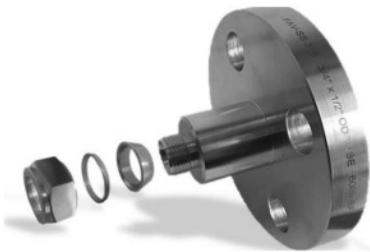
PTFE COMPRESSION FITTINGS AND VALVES



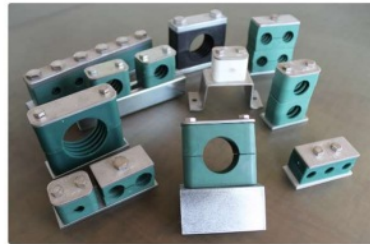
LP ,MP, HP AND TYPE M FITTINGS

Note: detail specifications please contact our expert at info@pipvalcon.co.id

INSTRUMENTATION FITTINGS



FLANGE TO COMPRESSION TUBE ADAPTORS



TUBE CLAMP



FLARELESS BITE TYPE FITTINGS AS PER DIN 2353 , HYDRAULIC TUBE FITTINGS



ORFS FITTINGS - O-RING FACE SEAL TUBE FITTING & HYDRAULIC FITTINGS



WELD FITTINGS



TITANIUM FITTINGS & TITANIUM VALVES



DUPLEX 2205 & SUPER DUPLEX 32750 VALVES & FITTING



HASTELLOY C276 FITTINGS AND HASTELLOY C276 VALVES

Note: detail specifications please contact our expert at info@pipvalcon.co.id

INSTRUMENTATION VALVES



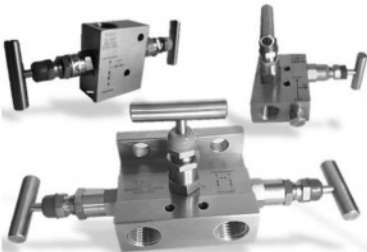
NEEDLE VALVES



INSTRUMENT BALL VALVE



INSTRUMENT CHECK VALVES



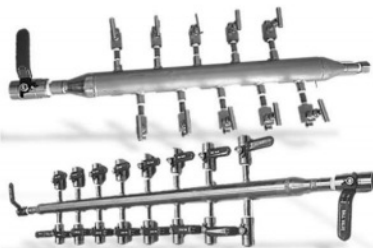
MANIFOLD VALVES



SAFETY VALVE /PRESSURE RELIEF VALVE



BLEED VALVE



AIR HEADERS ,AIR DISTRIBUTION MANIFOLDS



GATE VALVES



PRESSURE GAUGE VALVES MULTI PORT NEEDLE VALVES , BLOCK AND BLEED VALVES

Note: detail specifications please contact our expert at info@pipvalcon.co.id



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VALCON
corrosion protection system

