



SCV VALVE
Innovative Valve Solutions®



(281) 482-4728 • www.scvvalve.com

Piston Check Valves - API 6D*

Class: 150 - 2500

Sizes: 2" - 24"



*6D Non-standard end-to-end

PISTON CHECK VALVES

www.scvvalve.com

RAPID CLOSING, BACKFLOW PREVENTION

SCV VALVE manufactures a premium array of check valves. Our products are manufactured and tested in accordance with respective API, ASME, and ANSI standards. SCV Piston Check Valves are quiet operating valves that effectively prevent backflow. The "flapperless" design is gentle on the seat as the piston rises and lowers with increased and decreased flow rates. The SCV designs offers many features and options beneficial for oil, liquid gas, and liquid applications.

Standard Features

- Sizes: 2" thru 42"
- Class: 150# thru 1500#
- Basic Design: API 6D
- Wall Thickness: API 6D
- Face-to-Face: As stated
- Flange End Dimensions: ANSI/ASME 16.5
- Butt-Weld End Dimensions: ANSI/ASME B16.25
- Inspection & Testing: API 6D



Call (281) 482-4728 today for fast delivery!



Product Line

- Geothermals - TCG, EPG & Wedge
- Trunnion Mounted Balls
- Thru Conduit Gates
- Full Port Swing Checks
- Piston Checks
- Lubricated Plugs
- Wedge Gates
- Floating Balls
- Globes



SCV-PBLD-071210

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Piston Check Valves - API 6D*

Sizes: 2" - 24" /Class: 150 - 2500

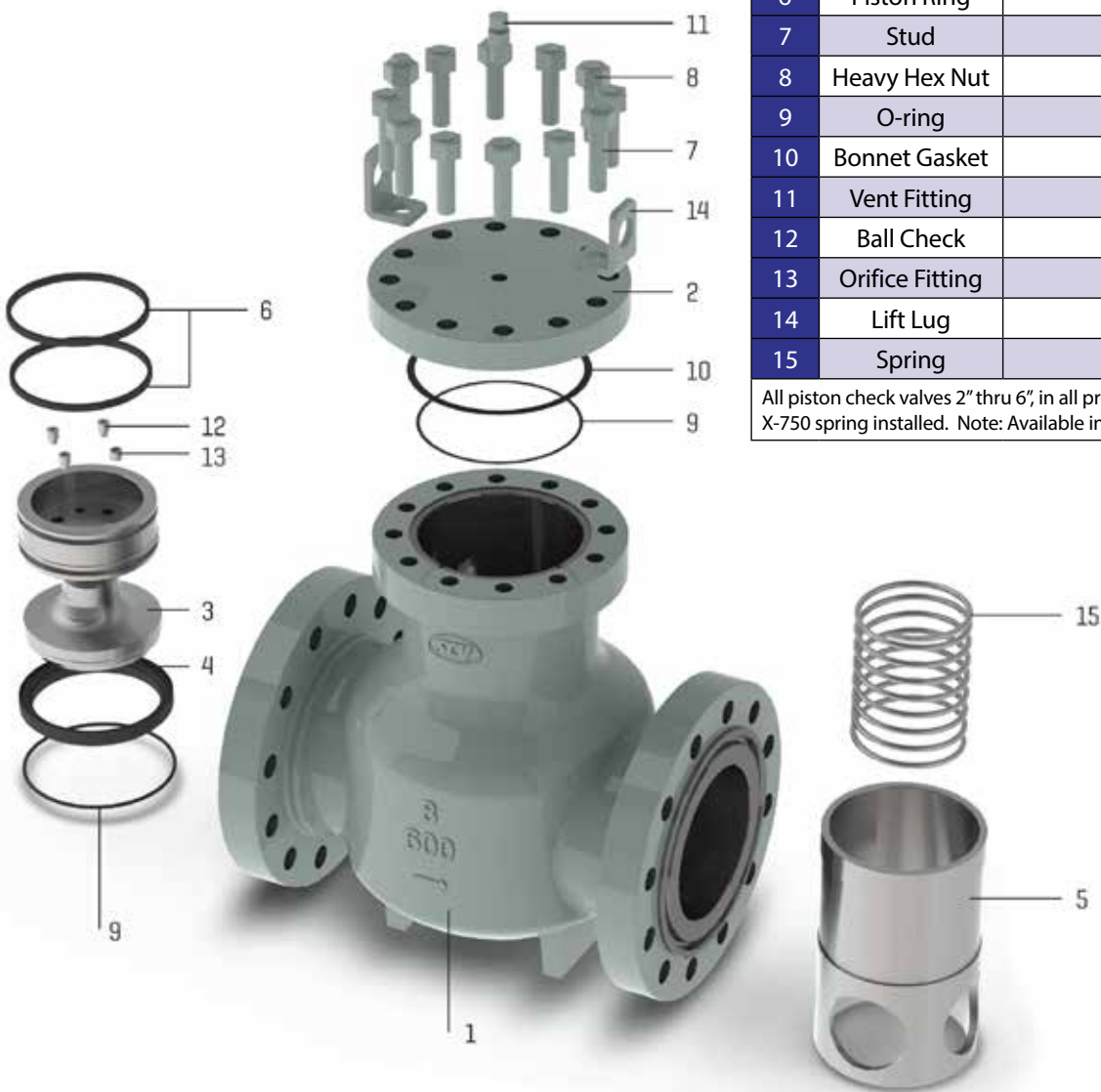


Design and Manufacturing Standards	
Basic Design	API 6D
Shell Wall Thickness	ANSI/ASME B16.34
Face to Face Dimension	As stated
Flange End Dimension	ANSI/ASME B16.5
Butt-Weld End Dimension	ANSI/ASME B16.25
Inspection & Testing	API 6D



*6D Non-standard end-to-end

[Expanded View & Bill of Materials]

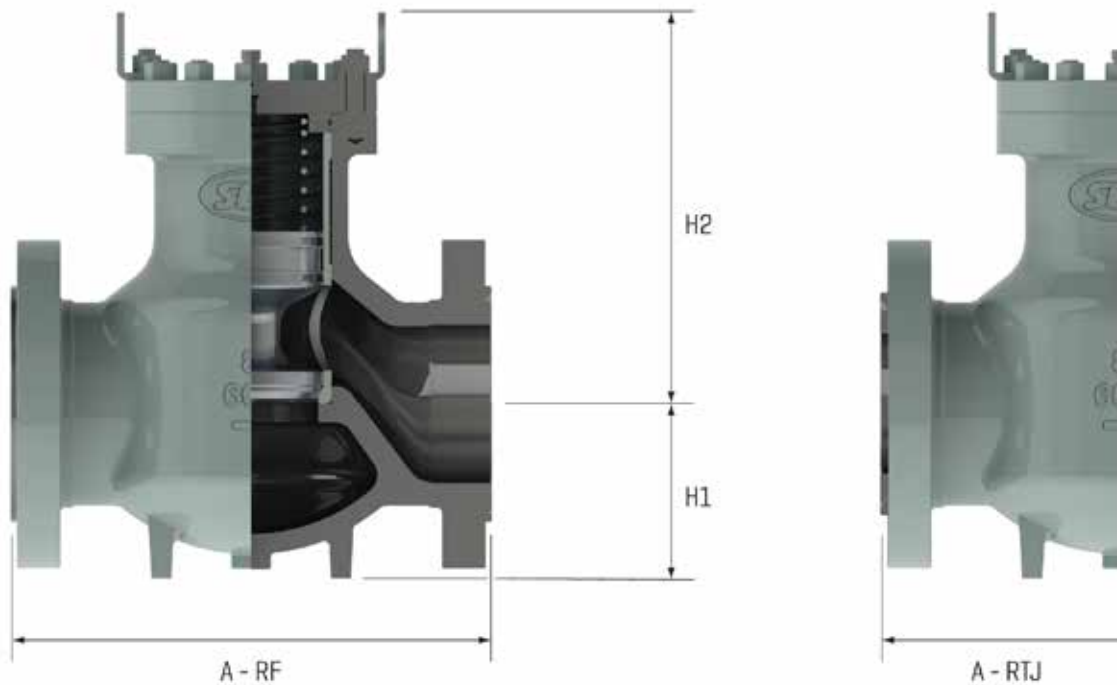


No.	Part	WCC
1	Body	A216 WCC
2	Bonnet	A105
3	Piston	A105+NI-TRID+ST. 6
4	Seat	A105+St. 6
5	Cage	A105+ENP
6	Piston Ring	PEEK/Glass Filled
7	Stud	A193 B7M
8	Heavy Hex Nut	A193 2HM
9	O-ring	Viton AED
10	Bonnet Gasket	SS/Graphite
11	Vent Fitting	316 SS
12	Ball Check	316 SS
13	Orifice Fitting	316 SS
14	Lift Lug	Steel
15	Spring	X-750

All piston check valves 2" thru 6", in all pressures, comes standard with a X-750 spring installed. Note: Available in other materials upon request.

Piston Check Valve Dimensions

Size: 2" - 36"
Class: 150 - 2500



Note: Butt Weld configuration is available upon request.

CLASS 150	SIZE	NPS	2*	3*	4*	6	8*	10*	12*	14*	16	18	20	24
		DN	50	80	100	150	200	250	300	350	400	450	500	600
	A - RF	IN	8.0	9.5	11.5	16	19.5	24.5	27.5	31	36	38.5	38.5	51
		MM	203	241	292	406	495	622	699	787	914	978	978	1295
	H1	IN	3.25	4.875	5	6.75	9.25	11.75	13.25	14.875	17	/	/	/
		MM	83	124	127	171	235	298	337	378	432	/	/	/
	H2	IN	7.0	8.35	10.23	14.56	17.83	22.48	25.51	27.25	30.125	/	/	/
		MM	178	212	260	370	451	571	648	692	765	/	/	/
	WGT (RF)	LB	64	124	201	332	610	1040	1328	2010	2480	/	/	/
		KG	29	56	91	151	277	472	602	912	1125	/	/	/

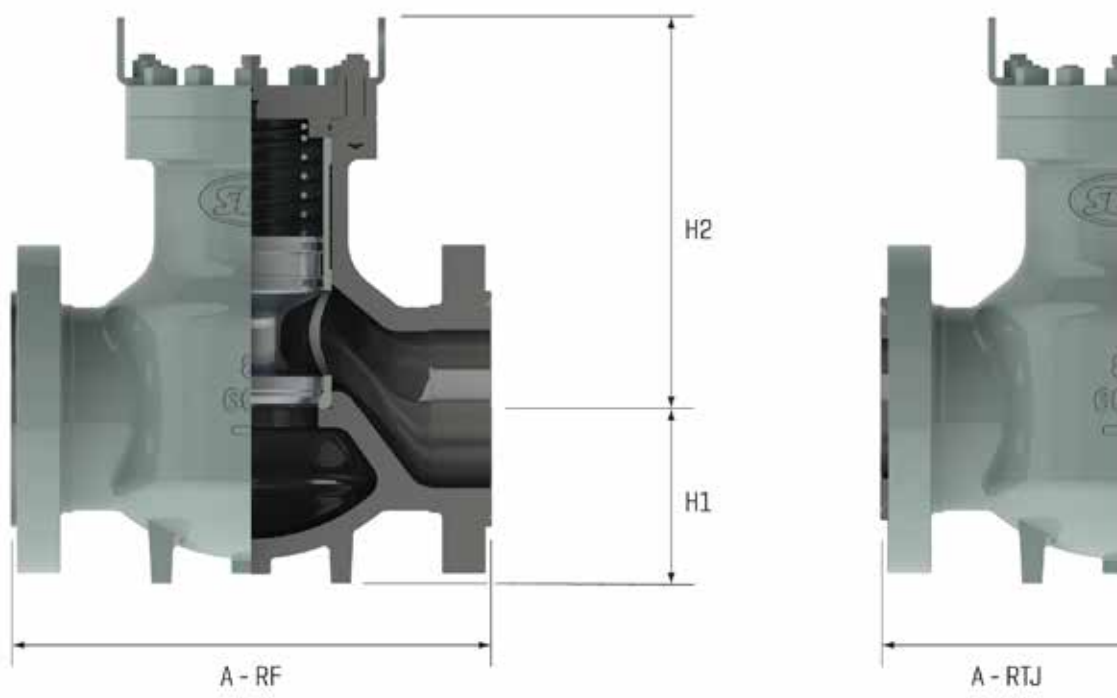
CLASS 300	SIZE	NPS	2	3	4	6	8	10	12	14	16
		DN	50	80	100	150	200	250	300	350	400
	A - RF	IN	10.25	14.75	17.625	19.375	22.5	29.625	32	35.25	39.125
		MM	260	375	448	492	572	752	813	895	994
	H1	IN	3.25	4.875	5	6.75	9.25	11.75	13.25	14.875	17
		MM	83	124	127	171	235	298	337	378	432
	H2	IN	8.5	10.25	12.5	17.5	20.125	23.75	24.375	27.25	30.125
		MM	216	260	318	445	511	603	619	692	765
	WGT (RF)	LB	80	155	250	415	750	1300	1660	2500	3100
		KG	36	70	114	187	341	591	755	1136	1409

*6D Standard end-to-end

Piston Check Valve Dimensions

Size: 2" - 36"

Class: 150 - 2500



Note: Butt Weld configuration is available upon request.

CLASS 600	SIZE	NPS	2	3	4	6	8	10	12	14	16	20	24
		DN	50	80	100	150	200	250	300	350	400	500	600
	A - RF	IN	11	14.75	18.5	20.75	24	30.88	33.625	37	41.25	55.5	60
		MM	279	375	470	527	610	784	854	940	1048	1410	1524
	A - RTJ	IN	11.375	14.875	18.625	20.875	24.125	31	33.75	37.125	41.375	55.75	60.125
		MM	283	378	461	530	613	787	857	943	1051	1413	1527
	H1	IN	3.25	5.25	5.375	7	9.25	11.75	13.125	14.875	17	20.875	22.125
		MM	83	133	137	178	235	298	333	378	432	530	561
	H2	IN	8.5	10.25	12.125	18	20.25	24.25	25.125	28.125	31.25	35.25	38.78
		MM	216	260	308	457	514	616	638	714	794	895	985
	WGT (RF)	LB	71	136	215	485	782	1291	1880	2391	3788	5871	8507
		KG	32	62	98	220	355	586	853	1084	1718	2663	3858

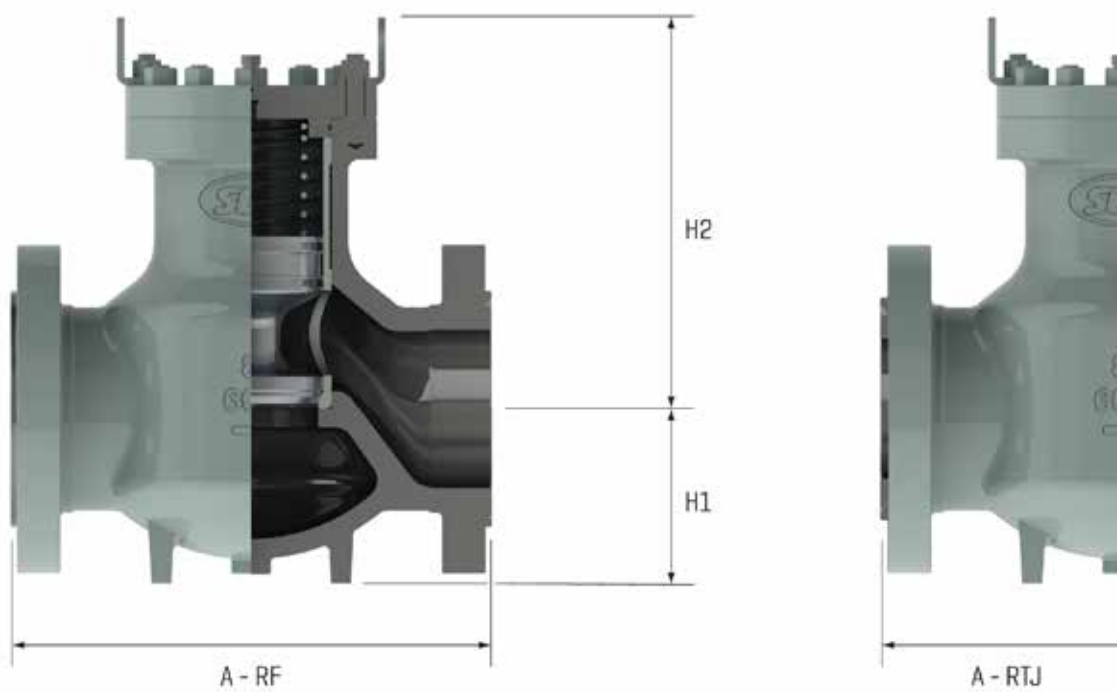
CLASS 900	SIZE	NPS	3	4	6	8	10	12
		DN	80	100	150	200	250	300
	A - RF	IN	14.875	19.375	21.875	24.875	31.375	33.875
		MM	378	492	556	632	797	860
	A - RTJ	IN	15	19.5	22	25	31.5	33.125
		MM	381	495	559	635	800	857
	H1	IN	5.25	5.375	7	9.25	11.75	13.125
		MM	133	137	178	235	298	333
	H2	IN	10.25	12.125	18	20.25	24.25	25.125
		MM	260	308	457	514	616	638
	WGT (RF)	LB	159	285	590	948	1655	2301
		KG	72	129	268	430	751	1044

*6D Standard end-to-end

Piston Check Valve Dimensions

Size: 2" - 36"

Class: 150 - 2500



Note: Butt Weld configuration is available upon request.

CLASS 1500	SIZE	NPS	2	3	4	6	8	10	12
		DN	50	80	100	150	200	250	300
	A - RF	IN	13.625	17.25	20.25	24	32.375	34.375	41
		MM	346	438	514	610	822	873	1041
	A - RTJ	IN	13.75	17.325	20.375	24.25	32.75	35	41.675
		MM	349	440	518	616	832	889	1059
	H1	IN	3.25	5.25	5.375	7	9.25	11.75	13.125
		MM	83	133	137	178	235	298	333
	H2	IN	8.5	10.25	12.125	18	20.25	24.25	25.125
		MM	216	260	308	457	514	616	638
	WGT (RF)	LB	111	207	362	803	1320	2183	2301
		KG	50	94	164	364	599	990	1044

CLASS 2500	SIZE	NPS	2	3	4	6	8
		DN	50	80	100	150	200
	A - RF	IN	14.875	20.25	23.125	32	37.375
		MM	378	512	587	813	949
	A - RTJ	IN	15	20.5	23.5	32.5	38
		MM	381	521	597	826	965
	H1	IN	3.25	5.25	5.375	7	9.25
		MM	83	133	137	178	235
	H2	IN	8.5	10.25	12.125	18	20.25
		MM	216	260	308	457	514
	WGT (RF)	LB	151	320	513	1327	2068
		KG	68	145	233	602	938

*6D Standard end-to-end

Seal & Seat Pressure Temperature Chart

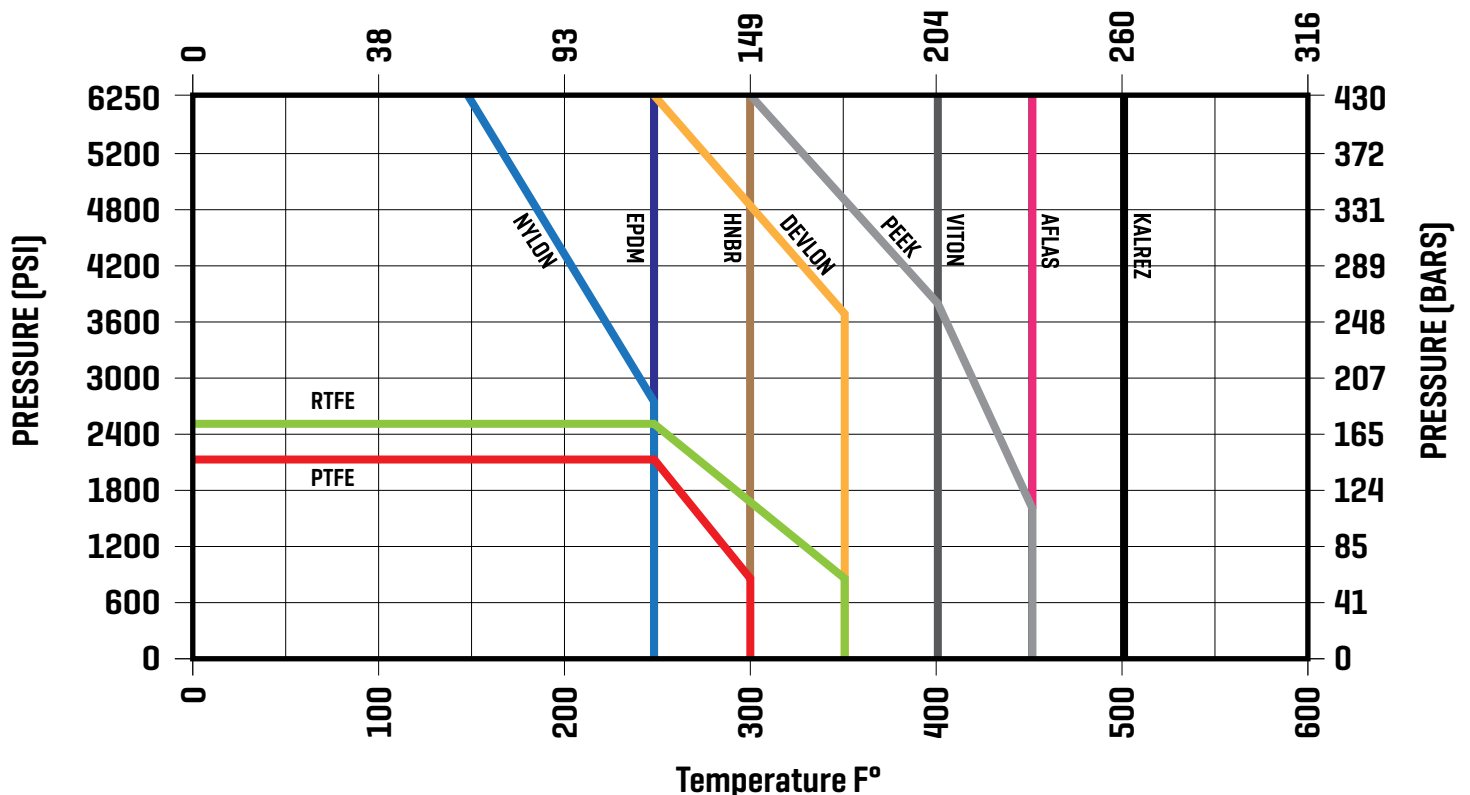
This chart depicts pressure and temperature ratings for common plastics and elastomers used in SCV Valve products.

SCV VALVE SOFT GOOD CHEMICAL COMPATIBILITY

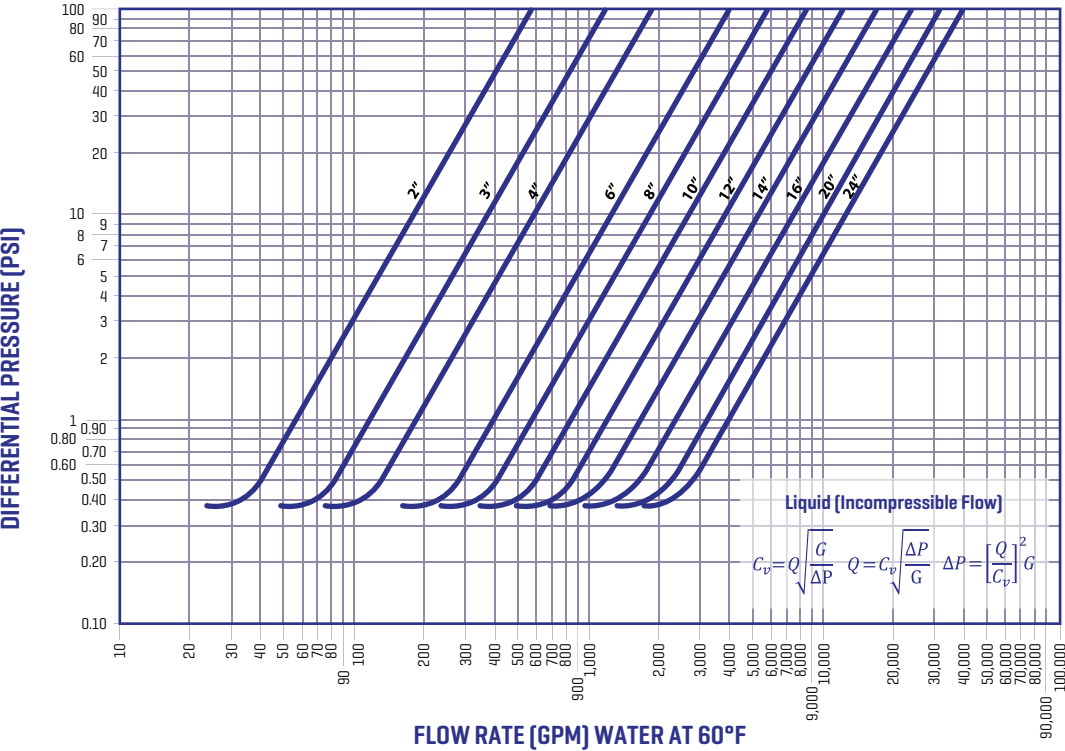
	SEAL MATERIAL			SEAT MATERIAL			
	Viton	HNBR	Kalrez	RTFE	Nylon	Devlon	PEEK
Amines	X	X	●	●	X	X	●
Ammonia	X	X	●	●	●	●	●
Butane	●	●	●	●	●	●	●
Carbon Dioxide	●	●	●	●	●	●	●
Crude Oil	●	●	●	●	●	●	●
Ethane	●	●	●	●	X	X	●
Ethylene	●	●	●	●	●	●	●
Glycol	●	●	●	●	●	X	●
Hydrocarbon	●	●	●	●	●	●	●
Hydrogen	●	●	●	●	●	●	●
Jet Fuel	*	*	●	●	X	X	●
Methane	●	●	●	●	●	●	●
Natural Gas	●	●	●	●	●	●	●
Nitrogen	●	●	●	●	●	●	●
Propane	●	●	●	●	●	●	●
Propylene	●	X	●	●	●	●	●

* Viton OK for JP-3/4/5/6/8/9/10. * HNBR OK for JP-3/4/5/6.

PRESSURE TEMPERATURE CHART



Liquid: Pressure Loss Curves for Piston Check Valves

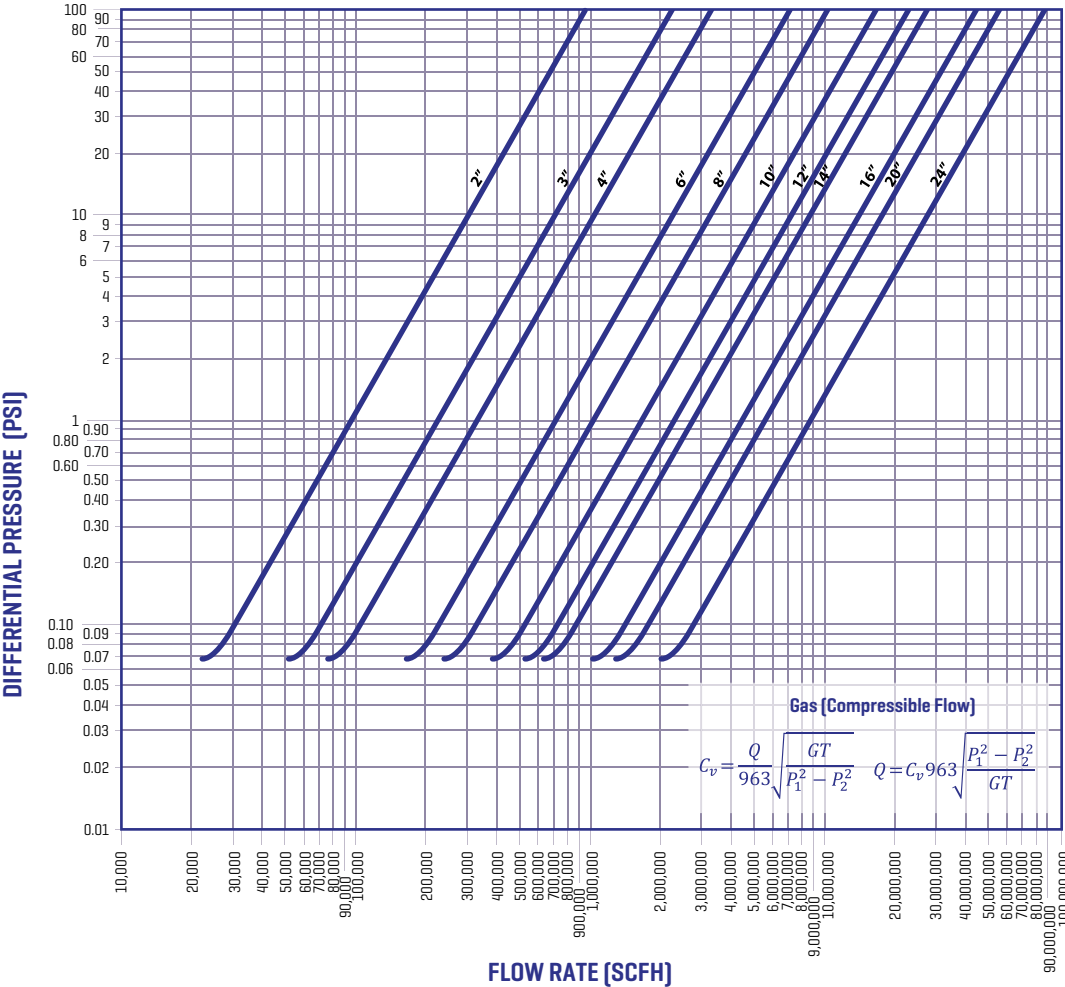


Flow Coefficient for Fully Open Valves	
2	59
3	125
4	193
6	400
8	587
10	868
12	1,196
14	1,604
16	2,193
20	3,114
24	4,082

The equations listed are the basis for the above graph. The formulas can be used to find the actual flow coefficient for a given condition of flow.

Glossary of Terms	
Q	Flow Rate, Liquids - GPM
Cv	Flow Coefficient
P ₁	Inlet Pressure
P ₂	Outlet Pressure
ΔP	Pressure Drop (P ₁ - P ₂)
G	Specific Graqvity (Water = 1)

Gas: Pressure Loss Curves for Piston Check Valves



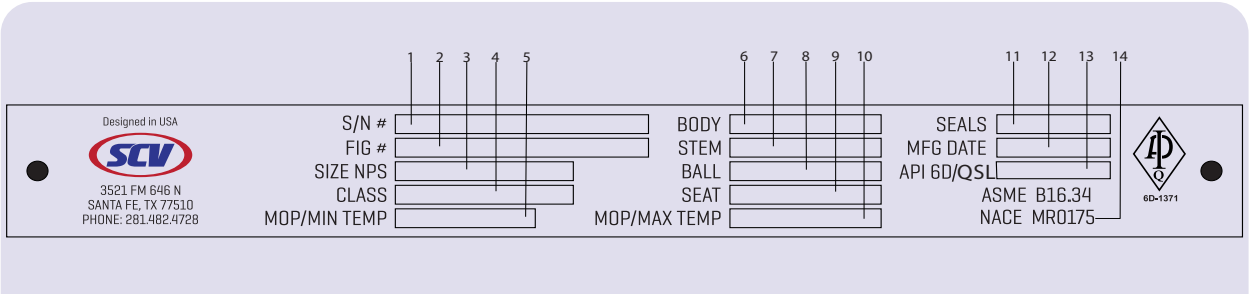
Flow Coefficient for Fully Open Valves	
2	45
3	99
4	150
6	327
8	479
10	757
12	1,025
14	1,250
16	2,001
20	2,689
24	4,090

The equations listed are the basis for the above graph. The formulas can be used to find the actual flow coefficient for a given condition of flow.

Glossary of Terms	
Q	Flow Rate - (SCFH)
Cv	Flow Coefficient
P ₁	Inlet Pressure - (psi)
P ₂	Outlet Pressure - (psi)
ΔP	Pressure Drop (P ₁ - P ₂)
G	Specific Graqvity (Dry Air = 1)
T	Temperature (°F+460)

Valve ID Tag & Valve Markings Identification

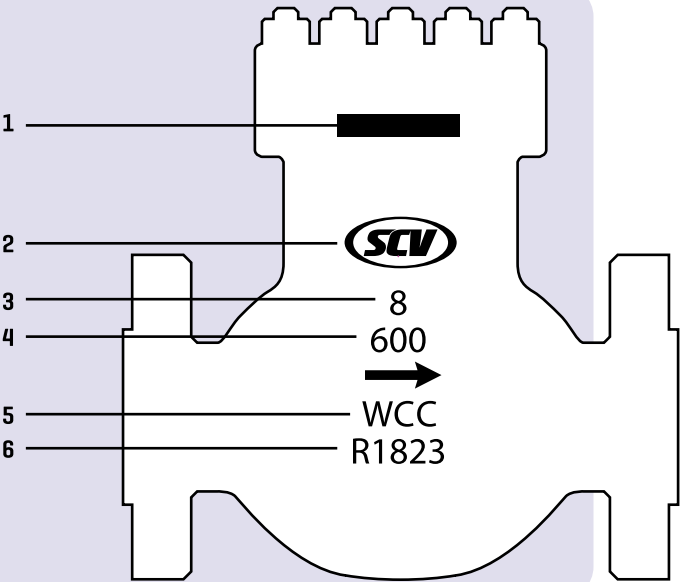
Valve ID Tag



No.	Figure Number Code	Description
1	Serial Number	Identifies certified manufacturers serial number
2	Figure Number	Identifies the detailed valve configuration (valve type, bore size, pressure class, materials, etc.)
3	Size	Identifies bore size
4	Pressure Class	Identifies pressure classifications per API requirements
5	MOP/Max. Temp.	Identifies the maximum operating pressure in PSI and maximum operating temperature in Fahrenheit
6	Body Material	Identifies body metal material composition (A105, WCB, F51, CF8M, etc.)
7	Stem Material	Identifies stem material composition (A105, 410SS, 17-4pH, etc.)
8	Ball/Disc Material	Identifies ball/disc material composition (A105, 316SS, ENP, etc.)
9	Seat Material	Identifies seat material composition (PEEK, Teflon, Nylon, etc.)
10	MOP/Min. Temp.	Identifies the maximum operating pressure in PSI and minimum operating temperature in Fahrenheit
11	O Ring	Identifies the O Ring material composition (Viton, Viton GLT, etc.)
12	Manufacturing Date	Identifies the manufacturing completion date
13	API Conformance	Identifies API conformance (600, 6D, 6A, etc.)
14	NACE MR 01 75	Identifies corrosion resistance

Valve Markings

No.	Valve ID Components
1	Tag
2	Brand
3	Size
4	Pressure Class
5	Body Material
6	Heat Number



Note: SCV reserves the right to modify our products for improvement without prior notice.

Certifications & Registrations

American Petroleum Institute (API)

API 6A Certification



Note: Extension letter available on our website.

API 6D Certification



Note: Extension letter available on our website.

ISO 9001:2015 Certificate



CE PED Certificate



Canadian Registration Number

- Alberta - OC07063.2
- British Columbia - OC07063.21
- New Brunswick - OC07063.27
- Newfoundland & Labrador - OC07063.20
- Northwest Territory - OC07063.25
- Nova Scotia - OC07063.27
- Nunavut - OC07063.2N
- Manitoba - OC07063.24
- Ontario - OC07063.25
- Prince Edward Island - OC07063.29
- Yukon - OC07063.2

Complete Product Line

Call SCV Valve today @ (281) 482-4728 for all your valve needs or visit us on the web @ www.scvvalve.com.

THRU CONDUIT GATES - SLAB & EXPANDING

Design: API 6D

Sizes: 2" - 42"

Class: 150 - 1500

Design: API 6A

Sizes: 9", 11" & 13-5/8"

Pressure: 2000, 3000, 5000



PISTON CHECKS

Design: API 6D*

Sizes: 2" - 24"

Class: 150 - 2500



Rising Stem Ball Valves

Design: API 6D**

Sizes: 2" - 18"

Class: 150 - 2500



3-PIECE TRUNNION BALLS

Design: API 6D

Sizes: 2" - 42"

Class: 150 - 2500

Design: API 6A

Sizes: 2-1/16" - 7-1/6"

Pressure: 2000, 3000, 5000

BoreCoating:Scotchkote™134



FULL PORT SWING CHECKS

Design: API 6D

Sizes: 2" - 36"

Class: 150 - 2500



WEDGE GATES

Design: API 600

Sizes: 2" - 48"

Class: 150 - 2500



FLOATING BALL VALVES

Design: B16.34

Sizes: 1/2" - 12"

Class: 150 - 1500



PRESSURE BALANCED LUBRICATED PLUGS

Design: API 6D

Sizes: 2" - 36"

Class: 150 - 2500



*6D Non-standard end-to-end

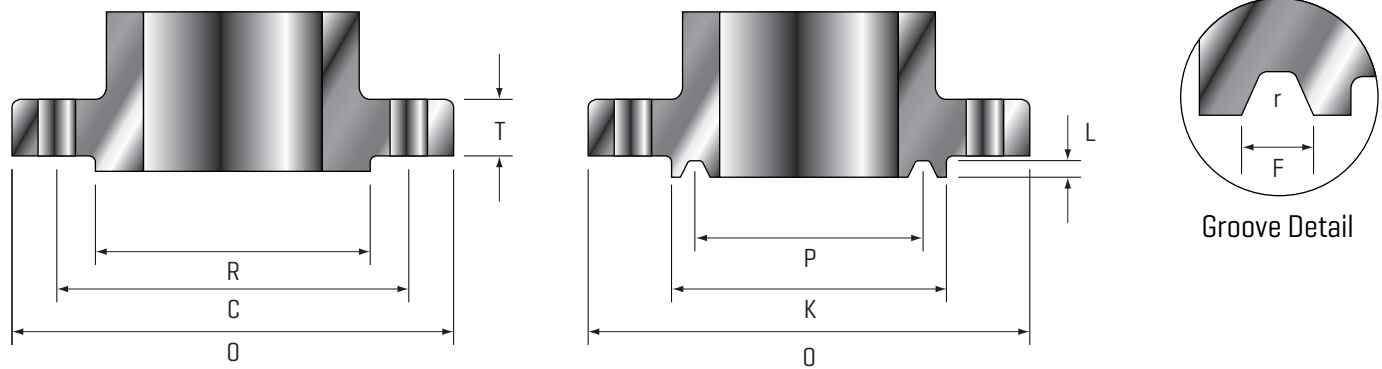
**Certain class 150 & 300 to manufacture standard end to end.

Figure Number Chart

■ ■ ■ ■ ■ ■ ■ ■ ■ ■

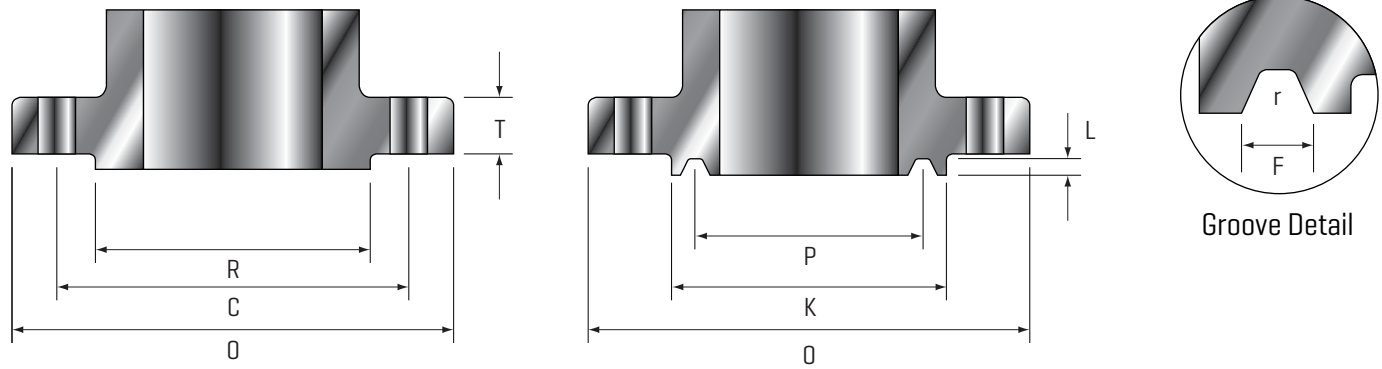
1. Valve Type		2. Bore Size		3. Class		4. TRIM BREAKDOWN			
CODE	DESCRIPTION	CODE	SIZE	CODE	CLASS	TYPE	CODE	BODY MATERIAL	TRIM MATERIAL
BAL	TRUNNION BALL VALVE	75	3/4	01	150	BAL	LE	LF2 BODY	LF2 + ENP TRIM
FBV	FLOATING BALL VALVE	01	1	03	300	BAL	L3	LF2 BODY	316 TRIM
FCK	FULL PORT SWING CHECK	15	1-1/2	06	600	BAL	L4	LF2 BODY	410 TRIM
GAT	WEDGE GATE VALVE	02	2	09	900	BAL	L7	LF2 BODY	17-4 TRIM
GLB	GLOBE VALVE	21	2-1/16	15	1500	BAL	LD	LF2 BODY	DUPLEX TRIM
PCK	PISTON CHECK VALVE	25	2-1/2	25	2500	BAL	S3	F316 BODY	316 TRIM
PLG	LUBRICATED PLUG	27	2-9/16	20	2000	BAL	SD	F316 BODY	DUPLEX TRIM
EPG	EXPANDING GATE VALVE	03	3	30	3000	BAL	DD	DUPLEX BODY	DUPLEX TRIM
TCG	SLAB GATE VALVE	31	3-1/8	50	5000	PCK	CHS	WCC BODY	CS+Ni + ST. TRIM TRIM
CEG	COMPACT EXP. GATE	37	3-9/16	10	10000	PCK	C3S	WCC BODY	316 + ST. TRIM
RSB	RIISING STEM BALL VALVE	04	4			PCK	LHS	LCC BODY	LCS+Ni + ST. TRIM TRIM
		41	4-1/16			PCK	L3S	LCC BODY	316 + ST. TRIM
		05	5			PCK	S3S	316 BODY	316 + ST. TRIM
		51	5-1/8			PCK	SDS	316 BODY	DUPLEX + ST. TRIM
		06	6			FCK	CH4	WCC BODY	CS+CR13(410)
		71	7-1/16			FCK	C3S	WCC BODY	316 + ST. TRIM
		08	8			FCK	LH4	LCC BODY	LCS+CR13(410)
		09	9			FCK	L3S	LCC BODY	316 + ST. TRIM
		10	10			FCK	S3S	316 BODY	316 + ST. TRIM
		23	10-3/8			GAT	CHS	WCB BODY	CS + ST. TRIM
		11	11			GAT	C3S	WCB BODY	316 + ST. TRIM
		12	12			GAT	L3S	LCB BODY	316 + ST. TRIM
		19	12-3/8			GAT	LHS	LCB BODY	LCS + ST. TRIM
		13	13-5/8			GAT	S3S	316 BODY	316 + ST. TRIM
		14	14			FBV	C3	CS BODY	316 TRIM
		16	16			FBV	L3	LCS BODY	316 TRIM
		17	16-3/7			FBV	S3	316 BODY	316 TRIM
		18	18			PLG	C4N	WCC BODY	410+Ni trim
		20	20			PLG	L4N	LCC BODY	410+Ni trim
		22	22			PLG	S3N	316 BODY	316+Ni trim
		24	24			GLB	CHS	CS BODY	CS + ST. TRIM
		26	26			GLB	C4S	CS BODY	410 + ST. TRIM
		28	28			GLB	C3S	CS BODY	316 + ST. TRIM
		30	30			GLB	LHS	LCS BODY	LCS + ST. TRIM
		32	32			GLB	L4S	LCS BODY	410 + ST. TRIM
		36	36			GLB	L3S	LCS BODY	316 + ST. TRIM
		40	40			GLB	S3S	316 BODY	316 + ST. TRIM
		42	42			TCG/EPG	CE	WCC BODY	CS+ENP TRIM
		38	38			TCG/EPG	C4	WCC BODY	410 TRIM
		52	52			TCG/EPG	C3	WCC BODY	316 TRIM
		56	56			TCG/EPG	C7	WCC BODY	17-4 TRIM
		60	60			TCG/EPG	CD	WCC BODY	DUPLEX TRIM
						TCG/EPG	LE	LCC BODY	LF2/LCC+ENP TRIM
						TCG/EPG	L4	LCC BODY	410 TRIM
						TCG/EPG	L3	LCC BODY	316 TRIM
						TCG/EPG	L7	LCC BODY	17-4 TRIM
						TCG/EPG	LD	LCC BODY	DUPLEX TRIM
						TCG/EPG	S3	CF8M BODY	316 TRIM
						TCG/EPG	SD	CF8M BODY	DUPLEX TRIM
						TCG/EPG	DD	DUPLEX BODY	DUPLEX TRIM
						Geothermal	C3S	WCC BODY	316 + ST. TRIM
						Geothermal	S3S	CF8M BODY	316 + ST. TRIM
						Geothermal	C3O	WCC BODY	316 + Multiple Overlay Trim
						Geothermal	S3O	CF8M BODY	316 + Multiple Overlay Trim

Flange Dimensions - ANSI B16.5 & B16.47



Class	Size	Flg. Dia.	Flg. Thick.	Raised Face Dia.	Drilling			Face Dia.	Ring Joint				
		O	T		Bolt Circle Dia.	# of Bolts	Hole Dia.		Pitch Dia.	Grv. Depth	Grv. Width	Btm. Radius	Ring No.
150	2	6.00	0.75	3.62	4.75	4	0.75	4.00	3.250	0.250	0.344	0.03	R22
	2.5	7.00	0.88	4.12	5.50	4	0.75	4.75	4.000	0.250	0.344	0.03	R25
	3	7.50	0.94	5.00	6.00	4	0.75	5.25	4.500	0.250	0.344	0.03	R29
	4	9.00	0.94	6.19	7.50	8	0.75	6.75	5.875	0.250	0.344	0.03	R36
	6	11.00	1.00	8.50	9.50	8	0.88	8.62	7.625	0.250	0.344	0.03	R43
	8	13.50	1.12	10.62	11.75	8	0.88	10.75	9.750	0.250	0.344	0.03	R48
	10	16.00	1.19	12.75	14.25	12	1.00	13.00	12.000	0.250	0.344	0.03	R52
	12	19.00	1.25	15.00	17.00	12	1.00	16.00	15.000	0.250	0.344	0.03	R56
	14	21.00	1.38	16.25	18.75	12	1.12	16.75	15.625	0.250	0.344	0.03	R59
	16	23.50	1.44	18.50	21.25	16	1.12	19.00	17.875	0.250	0.344	0.03	R64
	18	25.00	1.56	21.00	22.75	16	1.25	21.50	20.375	0.250	0.344	0.03	R68
	20	27.50	1.69	23.00	25.00	20	1.25	23.50	22.000	0.250	0.344	0.03	R72
	22	29.50	1.81	25.25	27.25	20	1.38	/	/	/	/	/	/
	24	32.00	1.88	27.25	29.50	20	1.38	28.00	26.500	0.250	0.344	0.03	R76
	26	34.25	2.69	29.50	31.75	24	1.38	/	29.500	0.500	0.781	0.060	R93
	28	36.50	2.81	31.50	34.00	28	1.38	/	31.500	0.500	0.781	0.060	R94
	30	38.75	2.94	33.75	36.00	28	1.38	/	33.750	0.500	0.781	0.060	R95
	32	41.75	3.19	36.00	38.50	28	1.62	/	36.000	0.562	0.906	0.060	R96
	34	43.75	3.25	38.00	40.50	32	1.62	/	38.000	0.562	0.906	0.060	R97
	36	46.00	3.56	40.25	42.75	32	1.62	/	40.250	0.562	0.906	0.060	R98
300	2	6.50	0.88	3.62	5.00	8	0.75	4.25	3.250	0.312	0.469	0.03	R23
	2.5	7.50	1.00	4.12	5.88	8	0.88	5.00	4.000	0.312	0.469	0.03	R26
	3	8.25	1.12	5.00	6.62	8	0.88	5.75	4.875	0.312	0.469	0.03	R31
	4	10.00	1.25	6.19	7.88	8	0.88	6.88	5.875	0.312	0.469	0.03	R37
	6	12.50	1.44	8.50	10.62	12	0.88	9.50	8.312	0.312	0.469	0.03	R45
	8	15.00	1.62	10.62	13.00	12	1.00	11.88	10.625	0.312	0.469	0.03	R49
	10	17.50	1.88	12.75	15.25	16	1.12	14.00	12.750	0.312	0.469	0.03	R53
	12	20.50	2.00	15.00	17.75	16	1.25	16.25	15.000	0.312	0.469	0.03	R57
	14	23.00	2.12	16.25	20.25	20	1.25	18.00	16.500	0.312	0.469	0.03	R61
	16	25.50	2.25	18.50	22.50	20	1.38	20.00	18.500	0.312	0.469	0.03	R65
	18	28.00	2.38	21.00	24.75	24	1.38	22.62	21.000	0.312	0.469	0.03	R69
	20	30.50	2.50	23.00	27.00	24	1.38	25.00	23.000	0.375	0.531	0.06	R73
	22	33.00	2.62	25.25	29.25	24	1.62	27.00	25.000	0.438	0.594	0.06	R81
	24	36.00	2.75	27.25	32.00	24	1.62	29.50	27.250	0.438	0.656	0.06	R77
	26	38.25	3.31	29.50	34.50	28	1.75	31.88	29.500	0.500	0.781	0.06	R93
	28	40.75	3.56	31.50	37.00	28	1.75	33.88	31.500	0.500	0.781	0.06	R94
	30	43.00	3.75	33.75	39.25	28	1.88	36.12	33.750	0.500	0.781	0.06	R95
	32	45.25	3.94	36.00	41.50	28	2.00	38.75	36.000	0.562	0.906	0.06	R96
	34	47.50	4.12	38.00	43.50	28	2.00	40.75	38.000	0.562	0.906	0.06	R97
	36	50.00	4.38	40.25	46.00	32	2.12	43.00	40.250	0.562	0.906	0.06	R98

Flange Dimensions - ANSI B16.5 & B16.47



Class	Size	Flg. Dia.	Flg. Thick.	Raised Face Dia.	Drilling			Face Dia.	Ring Joint				
		O	T		Bolt Circle Dia.	# of Bolts	Hole Dia.		Pitch Dia.	Grv. Depth	Grv. Width	Btm. Radius	Ring No.
600	2	6.50	1.00	3.62	5.00	8	0.75	4.25	3.250	0.312	0.469	0.03	R23
	2.5	7.50	1.12	4.12	5.88	8	0.88	5.00	4.000	0.312	0.469	0.03	R26
	3	8.25	1.25	5.00	6.62	8	0.88	5.75	4.875	0.312	0.469	0.03	R31
	4	10.75	1.50	6.19	8.50	8	1.00	6.88	5.875	0.312	0.469	0.03	R37
	6	14.00	1.88	8.50	11.50	12	1.12	9.50	8.312	0.312	0.469	0.03	R45
	8	16.50	2.19	10.62	13.75	12	1.25	11.88	10.625	0.312	0.469	0.03	R49
	10	20.00	2.50	12.75	17.00	16	1.38	14.00	12.750	0.312	0.469	0.03	R53
	12	22.00	2.62	15.00	19.25	20	1.38	16.25	15.000	0.312	0.469	0.03	R57
	14	23.75	2.75	16.25	20.75	20	1.5	18.00	16.500	0.312	0.469	0.03	R61
	16	27.00	3.00	18.50	23.75	20	1.62	20.00	18.500	0.312	0.469	0.03	R65
	18	29.25	3.25	21.00	25.75	20	1.75	22.62	21.000	0.312	0.469	0.03	R69
	20	32.00	3.50	23.00	28.50	24	1.75	25.00	23.000	0.375	0.531	0.06	R73
900	2	8.5	1.5	3.62	6.5	8	1	4.88	3.75	0.312	0.469	0.03	R24
	2.5	9.62	1.62	4.12	7.50	8	1.12	5.39	4.250	0.312	0.469	0.03	R27
	3	9.50	1.50	5.00	7.50	8	1.00	6.12	4.875	0.312	0.469	0.03	R31
	4	11.50	1.75	6.19	9.25	8	1.25	7.12	5.875	0.312	0.469	0.03	R37
	6	15.50	2.19	8.50	12.50	12	1.25	9.50	8.312	0.312	0.469	0.03	R45
	8	18.50	2.50	10.62	15.50	12	1.50	12.12	10.625	0.312	0.469	0.03	R49
	10	21.50	2.75	12.75	18.50	16	1.50	14.25	12.750	0.312	0.469	0.03	R53
	12	24.00	3.12	15.00	21.00	20	1.50	16.50	15.000	0.312	0.469	0.03	R57
	14	25.25	3.38	16.25	22.00	20	1.62	18.38	16.500	0.438	0.656	0.06	R62
	16	27.75	3.50	18.50	24.25	20	1.75	20.62	18.500	0.438	0.656	0.06	R66
	18	31.00	4.00	21.00	27.00	20	2.00	23.38	21.00	0.500	0.781	0.06	R70
	20	33.75	4.25	23.00	29.50	20	2.12	25.50	23.000	0.500	0.781	0.06	R74
1500	2	8.50	1.50	3.62	6.50	8	1.00	4.88	3.750	0.312	0.469	0.03	R24
	2.5	9.62	1.62	4.12	7.50	8	1.12	5.38	4.250	0.312	0.469	0.03	R27
	3	10.50	1.88	5.00	8.00	8	1.25	6.62	5.375	0.312	0.469	0.03	R35
	4	12.25	2.12	6.19	9.50	8	1.38	7.62	6.375	0.312	0.469	0.03	R39
	6	15.50	3.25	8.50	12.50	12	1.50	9.75	8.312	0.375	0.531	0.06	R46
	8	19.00	3.62	10.62	15.50	12	1.75	12.50	10.625	0.438	0.656	0.06	R50
	10	23.00	4.25	12.75	19.00	12	2.00	14.62	12.750	0.438	0.656	0.06	R54
	12	26.00	4.88	15.00	22.50	16	2.12	17.25	15.000	0.562	0.906	0.06	R58
	14	29.50	5.25	16.25	25.00	16	2.38	19.25	16.500	0.625	1.062	0.09	R63
	16	32.50	5.75	18.50	27.75	16	2.62	21.50	18.500	0.688	1.188	0.09	R67
	18	36.00	6.38	21.00	30.50	16	2.88	24.12	21.000	0.688	1.188	0.09	R71
	20	38.75	7.00	23.00	32.75	16	3.12	26.50	23.000	0.688	1.312	0.09	R75
2500	2	9.25	2.00	3.62	6.75	8	1.00	4.48	4.000	0.312	0.469	0.030	R26
	2.5	10.50	2.25	4.12	7.75	8	1.13	5.86	4.375	0.375	0.531	0.060	R28
	3	12.00	2.62	5.00	9.00	8	1.25	6.61	5.000	0.375	0.531	0.060	R32
	4	14.00	3.00	6.19	10.75	8	1.50	7.99	6.188	0.438	0.656	0.060	R38
	5	16.50	3.62	7.31	12.75	8	1.75	9.48	7.500	0.500	0.781	0.060	R40
	6	19.00	4.25	8.50	14.50	8	2.00	10.98	9.000	0.500	0.781	0.060	R47
	8	21.75	5.00	10.62	17.25	12	2.00	13.38	11.000	0.562	0.906	0.060	R51
	10	26.50	6.50	12.75	21.75	12	2.50	16.73	13.500	0.688	1.188	0.090	R55
	12	30.00	7.25	15.00	24.38	12	2.75	19.48	16.000	0.688	1.312	0.090	R60

Butt-welding Dimensions - ANSI B16.25 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

Nominal Pipe Size	Schedule Number or Wall	Outside Diameter (Cast Steel Valves) A		Nominal Inside Diameter B		Machined Inside Diameter C		Nominal Wall Thickness t	
		Inches	mm	Inches	mm	Inches	mm	Inches	mm
3	xxs	3-19/32	91.282	2.300	58.42	2.409	61.19	0.600	15.24
4	xxs	4-5/8	117.48	3.152	80.06	3.279	83.29	0.674	17.12
5	160	5-11/16	144.46	4.313	109.55	4.428	112.47	0.625	15.88
	xxs			4.063	103.20	4.209	106.91	0.750	19.05
6	120	6-25/32	172.34	5.501	139.72	5.600	142.24	0.562	14.27
	160			5.189	131.80	5.327	135.31	0.719	18.26
	xxs			4.897	124.38	5.072	128.83	0.864	21.95
8	100	8-23/32	223.04	7.439	188.93	7.546	191.67	0.594	15.09
	120			7.189	182.60	7.327	186.11	0.719	18.26
	140			7.001	177.83	7.163	181.94	0.812	20.62
	xxs			6.875	174.63	7.053	179.15	0.875	22.23
	160			6.813	173.05	6.998	177.75	0.960	23.01
10	50	10-15/16	277.81	9.564	242.93	9.671	245.64	0.594	15.09
	100			9.314	236.58	9.452	240.08	0.719	18.26
	120			9.064	230.23	9.234	234.54	0.844	21.44
	140			8.750	222.25	8.959	227.56	1.000	25.40
	160			8.500	215.90	8.740	222.00	1.125	28.58
12	60	12-31/32	329.41	11.626	295.30	11.725	297.82	0.562	14.27
	80			11.376	288.95	11.507	292.28	0.688	17.48
	100			11.064	281.03	11.234	284.34	0.844	21.44
	120			10.750	273.05	10.959	278.36	1.000	25.40
	140			10.500	266.70	10.740	272.80	1.125	28.58
	160			10.126	257.20	10.413	264.49	1.312	33.32
14	60	14-1/4	361.95	12.814	352.48	12.921	328.19	0.594	15.09
	80			12.500	317.50	12.646	321.21	0.750	19.05
	100			12.126	308.00	12.319	312.90	0.938	23.83
	120			11.814	300.08	12.046	305.97	1.094	27.79
	140			11.500	292.10	11.771	298.98	1.250	31.75
	160			11.188	284.18	11.498	292.05	1.406	35.71
16	60	16-1/4	412.75	14.688	373.08	14.811	376.20	0.656	16.66
	80			14.314	363.58	14.484	367.89	0.844	21.44
	100			13.938	354.03	14.155	359.54	1.031	26.19
	120			13.564	344.53	13.827	351.21	1.219	30.96
	140			13.124	333.35	13.442	341.43	1.438	36.53
	160			12.814	325.48	13.171	334.54	1.594	40.49
18	40	18-9/32	464.34	16.876	428.65	16.975	431.17	0.562	14.27
	60			16.500	419.10	16.646	422.81	0.750	19.05
	80			16.126	409.60	16.319	414.50	0.938	23.83
	100			15.688	398.48	15.936	404.50	1.156	29.36
	120			15.250	387.35	15.553	395.05	1.375	34.93
	140			14.876	377.85	15.225	386.72	1.562	39.67
	160			14.438	366.73	14.842	376.99	1.781	45.24
20	40	20-5/16	515.94	18.814	477.88	18.921	480.59	0.594	15.09
	60			18.376	466.75	18.538	470.87	0.812	20.62
	80			17.938	455.63	18.155	461.14	1.031	26.19
	100			17.438	442.93	17.717	450.01	1.281	32.54
	120			17.000	431.80	17.334	440.28	1.500	38.10
	140			16.500	419.10	16.896	429.16	1.750	44.45
	160			16.064	408.03	16.515	419.48	1.969	50.01
24	30	24-3/8	619.13	22.876	581.05	22.975	583.57	0.562	14.27
	40			22.626	574.70	22.757	578.03	0.688	17.48
	60			22.064	560.43	22.265	565.53	0.969	24.61
	80			21.564	547.73	21.827	554.41	1.219	30.96
	100			20.938	531.83	21.280	540.51	1.531	38.89
	120			20.376	517.55	20.788	528.02	1.812	46.02
	140			19.876	504.85	20.350	516.89	2.062	52.37
	160			19.314	490.58	19.859	504.42	2.344	59.54

Cracking Pressure Chart

Size	Class	Valve Cracking Pressure		Minimum Flow For Full Piston Lift
		PSI		FT/S
2"	150	1.37		3.89
	300	1.37		3.89
	600	1.54		3.67
	1500	1.65		3.89
	2500	1.82		3.73
3"	150	1.64		4.27
	300	1.64		4.27
	600	1.93		4.10
	900	1.934		4.27
	1500	1.934		4.27
4"	2500	2.85		4.11
	150	1.78		3.99
	300	1.787		3.99
	600	2.56		3.99
	900	2.56		3.99
6"	1500	2.56		3.99
	2500	2.255		3.99
	150	1.542		3.82
	300	1.542		3.82
	600	2.65		3.82
8"	900	2.65		3.82
	1500	2.85		3.82
	2500	2.70		3.53
	150	2.116		3.48
	300	2.116		3.54
10"	600	2.93		3.54
	900	2.93		3.54
	1500	2.93		3.54
	2500	2.48		2.89
	150	2.282		3.64
12"	300	2.282		3.64
	600	2.25		3.64
	900	1.543		3.64
	1500	1.543		3.64
	150	1.615		3.71
14"	300	1.615		3.71
	600	1.823		3.67
	900	1.823		3.67
	1500	1.823		3.67
	600	1.827		4.11
16"	600	1.924		3.84
24"	600	1.994		3.39

Industry Standards for Valve Manufacturing

This information is for reference only.

American Society of Mechanical Engineers (ASME)

ASME Code - Boiler & pressure vessel code
ASME A13.1 - Scheme for the identification of piping systems
ASME B1.1 - Unified inch screw threads, UN, & UNR thread form
ASME B1.5 - ACME screw threads
ASME B1.7M - Nomenclature, definitions, & letter symbols for screw threads
ASME B1.8 - Stub ACME screw threads
ASME B1.12 - Class 5 interference - fit thread
ASME B1.20.1 - Pipe threads, general purpose, inch
ASME B1.20.3 - Dry-seal pipe threads, inch
ANSI/ASME B16.1 - Cast iron pipe flanges & flanged fittings
ANSI/ASME B16.5 - Pipe flanges & flanged fittings: NPS 1/2" - 24"
ASME B16.9 - Factory made wrought steel butt welding fittings
ANSI/ASME B16.10 - Face-to-face & end-to-end dimensions of valves
ASME B16.11 - Forged fittings, socket welding & threaded
ASME B16.20 - Metallic gaskets for pipe flanges: ring joint spiral wound & jacketed
ASME B16.21 - Non-metallic flat gaskets for pipe flanges
ASME B16.25 - Butt welding ends
ANSI/ASME B16.33 - Manually operated metallic gas valves for use in gas piping systems up to 125 PSI (sizes NPS 1/2" - 2")
ANSI/ASME B31.1 - Power piping
ANSI/ASME B31.3 - Process piping
ANSI/ASME B16.34 - Valves flanged, threaded & welding end
ANSI/ASME B16.36 - Orifice flanges
ANSI/ASME B16.38 - Large metallic valves for gas distribution (manually operated, NPS 2-1/2" - 12", 125 PSIG maximum)
ANSI/ASME B16.42 - Ductile iron pipe flanges & flanged fittings: classes 150 & 300
ANSI/ASME B16.47 - Large diameter steel flanges
ANSI B17.1 - Keys & keyseats
ANSI B18.2.2 - Square & hex nuts
ASME B31.4 - Pipeline transportation systems for liquid hydrocarbons & other ammonia & alcohols
ANSI/ASME B31.8 - Gas transmission & distribution piping systems
ANSI/ASME B36.10 - Welded & seamless wrought steel pipe
ANSI/ASME B36.19 - Stainless steel pipe
ANSI FCI-2 - Control valve seat leakage

American Society Non-destructive Test (ASNT)

ASNT-TC-1A - Recommended practice no. SNT-TC-1A 1996

American Society for Testing and Materials (ASTM)

American Petroleum Institute (API)

API RP 574 - Inspection practices for piping system components
API 589 - Fire test for evaluation of valve stem packing
API RP 591 - Process valve qualification procedure
API 594 - Check valves-flanged, lug, wafer & butt welding
API 597 - Steel venturi gate valves, flanged, butt welding ends
API 598 - Valve inspection & testing
API 599 - Metal plug valves - flanged, welding ends
API 601 - Metallic gaskets for raised-face pipe flanges & flanged connections (double-jacketed corrugated & spiral wound)
API 600 - Bolted bonnet steel gate valves for petroleum & natural gas industries "ISO adoption from ISO 10434"
API 602 - Steel gate, globe, & check valves for sizes DN100 and smaller for the petroleum & natural gas industries
API 603 - Corrosion-resistant, bolted bonnet gate valves-flanged & butt weld ends
API 604 - Ductile iron gate valves, flanged ends
API 605 - Large-diameter carbon steel flanges (nominal pipe sizes 26" - 60", classes 75, 150, 300, 400, 600, & 900)
(replaced by ANSI/ASME B16.47)
API 606 - Compact steel gate valves, extended body (included in API 602) fire test for soft-seated quarter-turn valves "ISO adoption from ISO 10497-5 2004"
API 607 - Fire test for soft-seated quarter-turn valves "ISO adoption from ISO 10497-5 2004"
API 608 - Metal ball valves, flanged, threaded, & welding ends
API 609 - Butterfly valves-double flanged, lug- & wafer-type
API RP 941 - Steel for hydrogen service at elevated temperatures & pressures in petroleum refineries & petrochemical plants
API RP 520, Part 1 - Sizing, selection & installation of pressure relieving devices in refineries
API RP 520, Part 2 - Sizing, selection & installation of pressure relieving devices in refineries devices in refineries
API Spec 6A - Specification for wellhead & christmas tree equipment
API Spec 6D - Specifications for pipeline valves
API Spec 14D - Specifications for wellhead surface safety valves & underwater safety valves for offshore service
API 5B - Threading, gauging thread inspection of coring, tubing, & line pipe threads
API 6AM - Material toughness
API 6FA - Fire test for valves
API 6FC - Fire test for valves with backseats
API 6FD - Specification for fire test for check valves
API Q1 - Specification for quality programs for the petroleum, petrochemical, & natural gas

National Association of Corrosion Engineers (NACE)

MR0175 - Sulfide stress cracking resistant metallic materials for oil field equipment
MR0103 - Materials resistant to sulfide stress cracking in corrosive petroleum refining environments

Canadian Standards Association

B51-97 - Boiler, pressure vessel, & pressure piping code
Z245.15-96 - Steel valves
CAN3-z299.4-85 - Quality assurance program - Category 4
CAN3-z299.3-85 - Quality assurance program - Category 3

British Standards Institute (BS)

BS 1414 - Gate, wedge & double disk valves: steel
BS 1868 - Check valves: steel
BS 1873 - Globe & check valves: steel
BS 2080 - Flanged & butt weld end steel valves
BS 5146 - (withdrawn) Replaced by BS 6755 p.1 steel valves testing (1986) & BS 6755 p.2 (1984)
BS 5152 - Globe & check: cast iron
BS 5153 - Check: cast iron
BS 5159 - Ball: cast iron & carbon steel
BS 5160 - Globe & check: steel
BS 5163 - Gate, wedge & double disk: cast iron
BS 5351 - Ball: steel
BS 5352 - Globe & check: steel
BS 5418 - (withdrawn) Replaced by BS EN 19 (1992) marking: general purpose industrial
BS 5840 - Valve mating details for actuator operation
BS 6364 - Cryogenic
BS 6683 - Guide: installation & use of valves
BS 6755: Part 1 - Specification for production pressure testing requirements
BS 6755: Part 2 - Specification for fire type-testing requirements
BS EN 19 - Marking of general purpose industrial valves

International Organization for Standardization

ISO 5211/1 - Industrial valves- part-turn actuator attachments
ISO 5211/2 - Part-turn valve actuator attachment-flange & coupling performance characteristics
ISO 5211/3 - Part-turn valve actuator attachment-dimensions of driving components
ISO 5752 - Metal valves for use in flanged pipe systems face-to-face & center-to-face dimensions
ISO 9000 - Quality management systems and fundamentals & vocabulary
ISO 10012-1 - Quality assurance requirements for measuring equipment

Manufacturers Standardization Society

SP-6 - Standard finishes for contact faces of pipe flanges & connecting-end flanges of valves & fittings
SP-9 - Spot facing for bronze, iron & steel flanges
SP-25 - Standard marking system for valves, fittings, flanges & unions
SP-42 - Class 150 corrosion resistant gate, globe, angle, & check valves with flanged & butt weld ends
SP-44 - Steel pipeline flanges
SP-45 - Bypass & drain connections
SP-51 - Class 150/w corrosion resistant cast flanges & flanged fittings
SP-53 - Quality standard for steel castings & forgings for valves, flanges, & fittings & other piping components: magnetic particle exam method
SP-54 - Quality standard for steel castings for valves, flanges, & fittings and other piping components: radiographic examination method
SP-55 - Quality standard for steel castings for valves, flanges other piping components-visual method for evaluation of surface irregularities
SP-60 - Connecting flange joint between tapping sleeves & tapping valves
SP-61 - Pressure testing of steel valves
SP-65 - High pressure chemical industry flanges & threaded stubs for use with lens gaskets
SP-67 - Butterfly valves
SP-69 - ANSI/MSS edition pipe hangers & supports, selection & application
SP-70 - Cast iron gate valves, flanged & threaded ends
SP-71 - Gray iron swing check valves, flanged & threaded ends
SP-72 - Ball valves with flanged or butt-welding ends for general service
SP-79 - Socket-welding reducer inserts
SP-81 - Stainless steel, bonnetless, flanged knife gate valves
SP-82 - Valve pressure testing methods
SP-84 - Valves - socket welding & threaded ends
SP-85 - Cast iron globe & angle valves, flanged & threaded ends
SP-86 - Guidelines for metric data in standards for valves, flanges, fittings & actuators
SP-88 - Diaphragm valves
SP-91 - Guidelines for manual operation of valves
SP-92 - MSS valve user guide
SP-93 - Quality standard for steel castings & forgings for valves, flanges & fittings & other piping components- liquid penetrant exam method
SP-94 - Quality standard for ferritic & martensitic steel castings for valves, flanges, & fittings and others piping components - ultrasonic exam method
SP-96 - Guidelines on terminology for valves & fittings
SP-98 - Protective coatings for the interior of valves, hydrants, & fittings
SP-99 - Instrument valves
SP-101 - Part-turn valve actuator attachment-flange and driving component dimensions & performance characteristics
SP-102 - Multi-turn valve actuator attachment: flange and driving component dimensions & performance characteristics

Terms & Conditions

Quotation Validity

This quotation is valid for 30 days from the date quotation is sent. Validity on special metals, including Stainless Steel, is 14 days from the date the quotation is sent. All products offered from stock are subject to prior sale.

Shipments

All items quoted are EXW our Dock - (Ex Works - SCV Valve Facility Santa Fe, Texas 77510) - unless otherwise noted and agreed to in writing. Shipment may be billed either third party billing to the buyer or freight collect. Shipment dates offered above are forecasted delivery lead times and are estimated from the date payment terms (acceptable to seller) are established, clarification is received on all technical information, and resolution of customer's written approval of drawings is received (when required). The equipment quoted shall be packed in accordance with seller's standard packing procedure unless otherwise noted and agreed to in writing by the seller.

Force Majeure

If in the case of an act of God, war, riot, fire, explosion, flood, or any other circumstances of whatsoever nature which are beyond the control of the seller and which in any way affect the ability of the seller to fulfill its delivery obligations, the delivery is hindered, impeded, or delayed the seller shall be exonerated from all responsibilities and reserves the right to postpone the delivery beyond the original schedule.

Payment terms

All terms are to be negotiated. Credit cards accepted (Master Card, Visa, American Express).

Purchase Orders

All buyer's purchase orders supplied to the seller are to be written in the English language.

Prices

All prices quoted are in USD as per the preceding pricing schedule. The minimum order value is \$5,000.00 (five thousand dollars), unless otherwise agreed to by seller. If for some reason any items are changed or additions to the order required, seller reserves the right to adjust prices accordingly. All sales are subject to approval of seller's credit department. If buyer fails to meet the agreed upon and established commercial terms of the contract, the seller may with-hold all subsequent deliveries until such time that the original commercial terms of the contract have been met by the buyer (or subsequent commercial terms have been agreed upon by the seller with the buyer).

Intellectual Property

All specifications, illustrations, drawings, certificates, and other particulars supplied by seller remain the intellectual property of the seller and should not be disclosed to any third party without the prior written consent of seller.

Governing Law; Arbitration; Jurisdiction

The terms and conditions of this quotation and any subsequent purchase order shall be construed, interpreted, and performed exclusively according to the laws of the State of Texas, USA. The courts of such state shall have exclusive jurisdiction out of all controversies arising out of or in connection with this agreement. The parties consent that process may be served upon them in any such action by registered mail at the address stated for Buyer on its purchase order, and upon SCV Valve at the address noted above in Santa Fe, Texas, or personally within or without the State of Texas. Any legal action with respect to any agreement must be commenced within one year after the cause of action has accrued. The provisions of the Uniform Commercial Code as adopted by the State of Texas, and not under the United Nations Convention on Contracts for the International Sale of Goods, shall apply.

Warranty

All seller's products are guaranteed against defects in workmanship for a period of twelve (12) months after being placed in service, but not exceeding eighteen (18) months after shipment, when products are properly installed per seller specifications and used within the service and pressure range for which they were manufactured. Full risk of loss shall pass to the buyer upon delivery at FOB point, or destination port in case of CIF. This guarantee is limited to the replacement of any valve parts/components found to be defective either in material or workmanship. This guarantee does not extend to costs of labor, freight, or any other consequential charges. The unauthorized use of third party components and workmanship in seller's products voids this warranty.

Limitation of Liability

The liability of the seller under this agreement or with respect to any products supplied or services performed pursuant to this agreement, whether in contract, in tort, in strict liability or otherwise, shall not exceed the purchase price paid by the buyer with respect thereto. In no event will the seller be liable in contract, in tort, in strict liability or otherwise for any special, indirect, incidental, or consequential damages. This is including but not limited to loss of anticipated profits or revenues, loss of use, non-operation or increased expense of operation of equipment, cost of capital, or claims from customer or buyer for failure or delay in achieving anticipated profits or products.

Cancellation

No contract may be canceled by the buyer except upon written notice to seller and upon payment to seller of all costs incurred by the contract arising out of, or in connection with, the contract. Export of goods covered hereby is subject to United States Customs Control. Standard stocking items will be subject to a twenty-five percent (25%) restocking and/or cancellation charge. Non-standard stocking items will be subject to a one-hundred percent (100%) restocking and/or cancellation charge.

Cancellation Charge

The following indicates the rates of cancellation charge of contract value for project manufactured items and/or special engineered items at various stages of production:

- Time of cancellation: Order Acknowledgement and prior to Engineering engagement. Cancellation Charge: 10%
- Time of cancellation: After start of engineering but prior to release to production. Cancellation Charge: 30%
- Time of cancellation: After release to production but prior to completion of fabrication. Cancellation Charge: 80%
- Time of cancellation: After completion of fabrication. Cancellation Charge: 100%

Return of Goods

No product shall be returned to seller without written authorization and shipping instructions having been obtained from seller. Products authorized for returns are to be shipped freight pre-paid to the SCV Valve Facility identified in writing, unless otherwise notified, and are subject to seller's standard re-stocking fees.

Documentation

MTR's are available at no charge upon request. The seller's standard document package is per ISO 10474 3.1B requirements. Additional requested documentation is subject to charge.

Inspection

The customer or his authorized representative may, with four (4) weeks prior notice given to seller, visually inspect products manufactured by seller. Such seller approved inspections will be carried out in accordance with seller's standard or seller approved customer inspection procedures. If any inspection or documentation requested by the customer is over and beyond the scope and criteria initially agreed to by the seller, any costs incurred by conducting such inspection or preparation of special documents shall be paid by the buyer prior to release of the items for shipment.

Witness Hydro-testing

Witness hydro-testing is available at a cost. A scope of buyers inspection request is to be provided to seller at order placement. Late notice of such requested inspection is subject to additional costs. The cost associated with such witness hydro request is to be agreed on prior to any such testing taking place. Payment of this type of testing to be negotiated. Additionally, any costs associated with a third party inspector will not be at the sellers expense.







SCV VALVE

SCV Valve was established in 2005. Since that time, SCV has continued to expand our product offerings to cover a broad range of applications and industries. Some of the markets we serve include power, petrochemical, crude oil, natural gas, and geothermal.

SCV Valve takes the utmost pride in our ability to manufacture both commodity and specialty valves that meet and exceed the needs of our customers. All sizes, pressure classes, and metallurgical compositions are managed in house; utilizing the strictest quality control measures to ensure the customer's total satisfaction.

SCV Valve products include thru conduit gates (slab, expanding, compact slab, and compact expanding gates), trunnion mounted balls, floating balls, rising stem ball valves, wedge gates, full port swing checks, piston checks, and lubricated plugs.

SCV Valve has earned its API 6A, API 6D, ISO: 9001, CE-PED, and CRN certifications while operating under the API Q1 Quality Management System.

With years of dedication, commitment to quality, design, and service, SCV Valve has become one of the premier valve manufacturers in the industry. SCV carries a large inventory. We pride ourselves on our high quality products, timely delivery capabilities, and competitive prices.

On behalf of all of the members at SCV Valve, we thank you for the opportunity to earn your business.

Sincerely,



Sid McCarra
President
SCV Valve, LLC



Since 2005, the SCV brand has been committed to providing quality flow control products to the Power, Paper & Pulp, Oil & Gas, and Petro Chemical industries.

As one of the largest valve manufacturers, SCV Valve's reputation is unparalleled for producing high quality commodity and specialty valves. Products range in sizes 1/2" - 48", in pressure classes from 150# - 2500# and are backed by timely deliveries and competitive prices.

Call SCV today at (281)482-4728 for all your valve needs or visit us on the web @ www.scvvalve.com

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