SCV Figure Number Chart

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Valve Type	**Bore Size**	**Class**	**Body/Bonnet Conf.**	**Body Material**	**Obturator Material**	**Ends**	**Operator**	**Bore Type**	**Seal Material**	**Seat Base Metal**	**Seat Insert/Overlay Material**	**Stem Material**	**Packing Material**	**Service**
BAL = Trunnion Ball Valve	49 = 1/4"	01 = 150	B = Bolted	02 = A352 LCC	02 = A352 LCC + ENP	A = RF x WE	B = Bare Stem	F = Full Port	A = Aflas	08 = A216 WCB	B = Nickel Boron	A = A350 LF2 + ENP	B = Braided Graphoil	A = Stem Extension
DBV = Double Ball Valve	50 = 1/2"	02 = 200	L = Lug Style	04 = A351 CF8	04 = A352 LCB + ENP	B = RTJ x WE	D = Dual Acting Actuator	R = Reduced Port	B = Buna	10 = CR13	D = Devlon	B = A105 + ENP	G = Graphite	B = By Pass
DCK = Dual Plate Check Valve	75 = 3/4"	03 = 300	P = Pressure Seal	05 = A351 CF8C	06 = A216 WCC + ENP	C = Clamp	E = Electric Actuator	C = Conventional	E = EPDM	11 = CR13 HF	F = PTFE	C = A182 F6a Class 2	T = Teflon	C = Cryogenic
EPG = Expanding Gate Valve	01 = 1"	04 = 400	S = Seal Weld	06 = A351 CF8M	08 = A216 WCB + ENP	D = RF x RTJ	G = Gear	T = Regular Pattern	F = Fluorosilicone	13 = A105 + ENP	G = RTFE - Glass filled	D = 17-4 PH	V = Viton Duck	D = Double Piston Effect
FBV = Floating Ball Valve	15 = 1-1/2"	06 = 600	T = Top Entry	08 = A216 WCC	09 = A351 CF8M	E = RTJ x RF	H = Handwheel	U = Short Pattern	G = Graphite	14 = A105	H = Hard Face (Stellite 6)	E = 4130 + ENP		E = External Coating
FCK = Full Port Swing Check Valve	02 = 2"	08 = 800	U = Union	09 = A217 WC9	10 = CR13	F = Flat	L = Lever	V = Venturi Pattern	H = HNBR	15 = A350 LF2 + ENP	K = PCTFE	F = A182 F316		F = Dampener
GAT = Wedge Gate Valve	21 = 2-1/16"	09 = 900	W = Wafer	10 = A216 WCB	11 = CR13 HF	H = Hub	O = Oil/Gas Actuator		K = Kalrez	16 = A350 LF2	N = Nylon	G = A182 F51 Duplex		G = Geothermal
GLB = Globe Valve	25 = 2-1/2"	11= 1000		11 = A352 LCB	12 = CR13 HF + HF	J = RTJ	S = Spring Return Actuator		L = Lip Seal	17 = 17-4 PH	P = Peek	H = A182 F56 Duplex		H = High Temperature
PCK = Piston Check Valve	27 = 2-9/16"	15 = 1500		12 = A350 LF2	13 = A105 + ENP	K = WE x RF	Y = Hydraulic Actuator		N = Neoprene	20 = Alloy 20	R = RTFE - Carbon Filled	I = Inconel 625		I = Internal Coating
PLG = Lubricated Plug Valve	03 = 3"	20 = 2000		13 = A105	15 = A350 LF2 + ENP	L = WE x RTJ			P = Polyuerethane	30 = A29 4130	T = Tungsten Carbide			J = Linear Actuator (short yoke)
RSB = Rising Stem Ball Valve	31 = 3-1/8"	25 = 2500		14 = A352 LC3	16 = A216 WCC + 316	N = TH x SW			R = NBR	31 = A182 321	V = Viton			L = Lock Open Device
SCK = Conv. Port Swing Check Valve	37 = 3-9/16"	30 = 3000		15 = A217 C5	17 = 17-4 PH	M = SW x TH			S = Silicone	32 = A182 316L	3 = 316			P = Pipe Pups
TCG = Slab Gate Valve	04 = 4"	37 = 3705		16 = A217 WC6	18 = A350 LF3 + ENP	R = RF			T = Teflon	34 = A182 304	W = UHMWE			S = Standard Service
	41 = 4-1/16"	45 = 4500		17 = 17-4 PH	20 = Alloy 20	S = SW			U = Floursint	36 = A182 316				T = Special Thermal Relief
	05 = 5"	50 = 5000		19 = A350 LF4	21 = Alloy 20 HF	T = TH			V = Viton	37 = A182 317				W = Sub Sea
	51 = 5-1/8"	60 = 6000		20 = Alloy 20	22 = A182 F22	W = WE			3 = 304 Ring	38 = A182 317L				X = Special
	06 = 6"	10 = 10000		21 = A182 F11	30 = A29 4130				4 = 304 / Graphite	41 = A182 F6a Class 2				Y = Teflon Bolting
	71 = 7-1/16"	05 = 15000		22 = A182 F22	31 = A182 321				5 = 316 Ring	47 = A182 347				Z = Zinc Bolting
	08 = 8"			23 = A350 LF3	32 = A182 316L				6 = 316 / Graphite	50 = Monel				
	09 = 9"			26 = A182 F91	33 = A182 304 HF				7 = Soft Iron Ring	51 = F51 Duplex				
	10 = 10"			28 = A182 F9	34 = A182 304					53 = F53 Duplex				
	11 = 11"			29 = A217 C12	35 = A182 316 HF					55 = F55 Duplex				
	12 = 12"			30 = A29 4130	36 = A182 316					62 = Inconel 625				
	13 = 13-5/8"			31 = A182 321	37 = A182 317 HF					78 = Inconel 718				
	14 = 14"			32 = A182 321L	38 = A182 317					84 = Hastelloy C				
	16 = 16"			33 = A182 304L	39 = A29 1040									
	17 = 16-3/4"			34 = A182 304	40 = A29 4140									
	18 = 18"			35 = A182 316L	41 = A182 F6a Class 2									
	20 = 20"			36 = A182 316	44 = A182 F44 Duplex									
	22 = 22"			37 = A182 317L	47 = A182 347									
	24 = 24"			38 = A182 317	48 = A182 347 HF									
	26 = 26"			40 = A29 4140	50 = Monel									
	30 = 30"			41 = A182 F6A Class 2	51 = A182 F51 Duplex									
	32 = 32"			44 = A182 F44 Duplex	53 = A182 F53 Duplex									
	36 = 36"			47 = A182 347	55 = A182 F55 Duplex									
	40 = 40"			48 = A182 347L	57 = A537 Class 1 + ENP									
	42 = 42"			50 = Monel	60 = A105 + HF									
	48 = 48"			51 = A182 F51 Duplex	61 = A105 + Nitride + HF									
	52 = 52"			53 = A182 F53 Duplex	62 = Inconel 625									
	56 = 56"			55 = A182 F55 Duplex	63 = A352 LCC + Tungsten Carbide									
	60 = 60"			62 = Inconel 625	64 = A352 LCC + Nickel Boron									
				83 = Hastelloy B	65 = A216 WCC + Tungsten Carbide									
				84 = Hastelloy C	66 = A216 WCC + Nickel Boron									
				87 = A487 4C	67 = A105 + Tungsten Carbide									
				88 = A890-4A	68 = A105 + Nickel Boron									
				89 = A890-5A	69 = A350 LF2 + Tungsten Carbide									
				90 = Titanium	70 = A350 LF2 + Nickel Boron									
					71 = CR13 + Tungsten Carbide									
					72 = CR13 + Nickel Boron									
					73 = A182 410 +Tungsten Carbide									
					74 = A182 410 + Nickel Boron									
					78 = Inconel 718									
					81 - A350 LF2 + Nitride + HF									
					84 = A743 CA15									
					87 = A487 4C									
					88 = A890-4A									
					89 = A890-5A									
					90 = Titanium									
					92 = Inconel 925									
					99 = A 105+NI+TRID-ST. 6									

Sample Figure Numbers & Descriptions

	Figure No. Chart Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Pressure Classes	**Type**	**Size**	**Class**	**Body Conf.**	**Body**	**Obturator**	**End**	**Oper**	**Bore Type**	**Seal**	**Seat.base**	**Seat/Insert**	**Stem**	**Packing**	**Service**
TRUNNION BALL	150, 300, 600	BAL	12	06	B	12	15	R	G	F	H	15	D	A	/	S
	12" 600 Trunnion Ball Valve, Bolted A350 LF2 Body, LF2 + ENP Obturator, RF Ends, Gear Operated, Full Bore, HNBR AED Seals, A350 LF2 + ENP Seat Base Material, Devlon Seat Inserts, A350 LF2 + ENP Stem, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
	900, 1500, 2500	BAL	12	15	B	12	41	J	G	F	H	41	D	C	/	S
	12" 1500 Trunnion Ball Valve, Bolted Configuration, A350 LF2 Body, A182 F6a Class 2 Obturator, RTJ Ends, Gear Operated, Full Bore, HNBR AED Seals, A182 F6a Class 2 Seat Base Material, Devlon Seat Inserts, A182 F6a Class 2 Stem, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
FLOATING BALL	ALL	FBV	12	01	B	10	36	R	L	F	3	36	R	F	/	S
	12" 150 Floating Ball Valve, Bolted Configuration, A216 WCB Body, A182 F316 Obturator, RF Ends, Lever Operated, Full Bore, A182 F316 Seat Base Material, Devlon Seat Inserts, A182 F316 Stem, Standard Service, API 608 Design, API 598 Test, NACE MR-01-75 Compliant															
DUAL PLATE WAFER CHECK	ALL	DCK	12	06	W	10	09	R	/	C	/	08	H	/	/	S
	12" 600 Dual Plate Check Valve, Wafer Configuration, A216 WCB Body, A351 CF8M Obturator, RF Ends, Conventional Bore, A216 WCB Seat Base Material, Hardface Seat Overlay, Standard Service, API 594 Design, API 598 Test, NACE MR-01-75 Compliant															
SLAB GATE	ALL	TCG	12	06	B	08	13	R	B	F	V	13	R	D	V	S
	12" 600 Thru Conduit Slab Gate Valve, Bolted A216 WCC Body, A105 + ENP Obturator, RF Ends, Bare Stem, Full Bore, Viton AED Seals, A105 + ENP Seat Base Material, RTFE Seat Inserts, 17-4 PH Stem, Viton Duck Packing, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
EXPANDING GATE	ALL	EPG	12	06	B	08	06	R	B	F	V	13	R	D	V	S
	12" 600 Thru Conduit Expanding Gate Valve, Bolted A216 WCC Body, A216 WCC + ENP Obturator, RF Ends, Bare Stem, Full Bore, Viton AED Seals, A105 + ENP Seat Base Material, RTFE Seat Inserts, 17-4 PH Stem, Viton Duck Packing, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
FULL PORT SWING CHECK	ALL	FCK	12	06	B	08	16	R	/	F	V	11	V	/	/	S
	12" 600 Full Port Swing Check Valve, Bolted A216 WCC Body, A216 WCC + 316 Obturator, RF Ends, Full Bore, Viton AED Seals, CR13 HF Seat Base Material, Viton Seat Inserts, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
PISTON CHECK	150, 300, 600, 900	PCK	12	06	B	08	61	R	/	C	V	14	H	/	/	S
	12" 600 Piston Check Valve, Bolted A216 WCC Body, A105 + Nitride + HF Obturator, RF Ends, Coventional Bore, Viton AED Seals, A105 Seat Base Material, Hardface Seat Overlay, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
	1500, 2500	PCK	12	15	B	08	61	R	/	C	V	41	H	/	/	S
	12" 1500 Piston Check Valve, Bolted A216 WCC Body, A105 + Nitride + HF Obturator, RF Ends, Coventional Bore, Viton AED Seals, A182 F6a Class 2 Seat Base Material, Hardface Seat Overlay, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
LUBRICATED PLUG	ALL	PLG	12	06	B	10	84	R	L	C	V	/	/	/	G	S
	12" 600 Lubricated Plug Valve, Bolted A216 WCB Body, A743 CA15 Obturator, RF Ends, Lever Operated, Coventional Bore, Viton AED Seals, Standard Service, API 6D Design and Test, NACE MR-01-75 Compliant															
WEDGE GATE	ALL	GAT	12	06	B	10	7	R	H	C	4	14	H	C	G	S
	12" 600 Wedge Gate Valve, Bolted A216 WCB Body, A216 WCB + Hardface Obturator, RF Ends, Handwheel Operated, Conventional Bore, 304 + Graphite Gasket, A105 Seat Base Material, Hardface Seat Overlay, A182 F6a Class 2 Stem, Graphite Packing, Standard Service, API 600 Design, API 598 Test, NACE MR-01-75 Compliant															
GLOBE	ALL	GLB	12	06	B	10	60	R	H	C	4	14	H	C	G	S
	12" 600 GlobeValve, Bolted A216 WCB Body, A105+ Hardface Obturator, RF Ends, Handwheel Operated, Conventional Bore, 304 + Graphite Gasket, A105 Seat Base Material, Hardface Seat Overlay, A182 F6a Class 2 Stem, Graphite Packing, Standard Service, API 623 Design, API 598 Test, NACE MR-01-75 Compliant															

Note: Subject to change without notice.

Control #: MSF 3.5-16 rev 12