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 Material**	**Seat Insert/Overlay Material**	**Stem Material**	**Packing Material**	**Service**
BAL = Trunnion Ball Valve	50 = 1/2"	01 = 150	B = Bolted	02 = A352 LCC	01 = A352 LLC + 410	A = RF x WE	/ = N/A	F = Full Port	/ = N/A	/ = N/A	/ = N/A	/ = N/A	/ = N/A	A = Stem Extension
CEG = Compact Expanding Gate Valve	75 = 3/4"	03 = 300	L = Lug Style	06 = A351 CF8M	02 = A352 LCC + ENP	B = RTJ x WE	B = Bare Stem	R = Reduced Port	3 = 304 Ring	08 = A216 WCB	3 = 316	A = A350 LF2 + ENP	B = Braided Graphoil	C = Cryogenic
DCK = Dual Plate Check Valve	01 = 1"	04 = 400	P = Pressure Seal	08 = A216 WCC	06 = A216 WCC + ENP	D = RF x RTJ	D = Dual Acting Actuator	C = Conventional	4 = 304 / Graphite	09 = A351 CF8M	D = Devlon	B = A105 + ENP	G = Graphite	D = *DPE x DPE
EPG = Expanding Gate Valve	15 = 1-1/2"	06 = 600	S = Seal Weld	10 = A216 WCB	09 = A351 CF8M	E = RTJ x RF	E = Electric Actuator	T = Regular Pattern	6 = 316 / Graphite	11 = CR13 HF	F = PTFE	C = A182 F6a Class 2	T = Teflon	E = External Coating
FBV = Floating Ball Valve	02 = 2"	09 = 900	W = Wafer	11 = A352 LCB	10 = A216 + CR13	J = RTJ	G = Gear	U = Short Pattern	A = Aflas	13 = A105 + ENP	G = RTFE - Glass filled	D = 17-4 PH	V = Viton Duck	F = Dampener
FCK = Full Port Swing Check Valve	21 = 2-1/16"	15 = 1500		12 = A350 LF2	11 = CR13 HF	K = WE x RF	H = Handwheel	V = Venturi Pattern	E = EPDM	14 = A105 + HF	H = Hard Face (Stellite 6)	F = A182 F316		G = Geothermal
GAT = Wedge Gate Valve	25 = 2-1/2"	20 = 2000		13 = A105	12 = A105 + CR13	L = WE x RTJ	I = Linear Actuator		G = Graphite	15 = A350 LF2 + ENP	N = Nylon	G = A182 F51 Duplex		H = High Temperature
GLB = Globe Valve	27 = 2-9/16"	25 = 2500		16 = A217 WC6	13 = A105 + ENP	R = RF	L = Lever		H = HNBR	16 = A350 LF2 + HF	P = Peek	H = A182 F56 Duplex		I = Internal Coating
PCK = Piston Check Valve	03 = 3"	30 = 3000		30 = A29 4130	14 = A694 Gr. F60 + ENP	W = WE			K = FFKM	17 = 17-4 PH	R = RTFE - Carbon Filled	I = Inconel 625		J = **SPE x DPE
PLG = Lubricated Plug Valve	31 = 3-1/8"	50 = 5000		36 = A182 316	15 = A350 LF2 + ENP				N = Neoprene	30 = A29 4130		J = 17-4 + QPQ		L = Lock Open Device
PSG = Parallel Slide Gate Valve	37 = 3-9/16"	10 = 10000		51 = A182 F51 Duplex	16 = A216 WCC + 316				T = Teflon	32 = A182 316L + HF				P = Pipe Pups
RSB = Rising Stem Ball Valve	04 = 4"			55 = A182 F55 Duplex	17 = 17-4 PH				V = Viton A	35 = A182 316/HF				S = Standard Service
SCK = Conv. Port Swing Check Valve	41 = 4-1/16"			60 = A216 WCC + Inconel 625	20 = A216 WCB + Ni65				W = Viton B	36 = A182 316				X = Special
TCG = Slab Gate Valve	05 = 5"			87 = A487 4C	23 = A182 316L + Stellite 21				X = Viton F	41 = A182 F6a Class 2				
	51 = 5-1/8"			88 = A890-4A	34 = A182 304				Z = Viton GLT	42 = A182 F6a Class 2 + HF				
	06 = 6"				35 = A182 316 HF					51 = F51 Duplex				
	71 = 7-1/16"				36 = A182 316					52 = A182 F51 Duplex + HF				
	08 = 8"				41 = A182 F6A Class 2					54 = A182 F51 Duplex + CoCr-A				
	09 = 9"				42 = A182 F6A + Nitride					55 = F55 Duplex				
	10 = 10"				51 = A182 F51 Duplex					91 = A105/HF				
	23 = 10-3/8"				52 = A351 CF8M + Stellite 6									
	11 = 11"				54 = A182 F51 Duplex + CoCr-A									
	12 = 12"				59 = A352 LCC + Stellite 6									
	19 = 12-3/8"				60 = A105 + HF									
	13 = 13-5/8"				61 = A105 + Nitride + Stellite 6									
	14 = 14"				62 = A105 + Inconel 625									
	16 = 16"				69 = A350 LF2 + Tungsten Carbide									
	17 = 16-3/4"				73 = A182 410 +Tungsten Carbide									
	18 = 18"				81 - A350 LF2 + Nitride + HF									
	20 = 20"				85 = A743 CA15 + Nitride									
	22 = 22"				88 = A890-4A									
	24 = 24"				96 = A216 WCB + CR13									
	26 = 26"													
	28 = 28"													
	30 = 30"													
	32 = 32"													
	34 = 34"													
	36 = 36"													
	38 = 38"													
	40 = 40"													
	42 = 42"													
	48 = 48"													
	52 = 52"													
	56 = 56"													
	60 = 60"													

*DPE x DPE = Double Piston Effect

**SPE x DPE = Single Piston Effect x Double Piston Effect

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.

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