G4 Valve Smart Number

10/08/2018-Rev 23

SIZE -	PRODUCT FAMILY -	PRESSURE CLASS	END CONFIGURATION	PLUG STYLE	BODY ALLOY	PLUG ALLOY	TOP CAP ALLOY	SLEEVE/SEATS	OPERATOR	Manufacturing Use ONLY	Top Cap FASTENER	Adjuster FASTENER	OPTIONS	- [Special Code
.25	G4 = 2 WAY	1 = 150	1 = Raised Face Flange	C = 2 Way	0 = CD4M	0 = CD4M	0 = CD4M	T = PTFE	0 = Std Wrench	M = Mfg CvO	1 = B840	1 = B840	A = Drilled and tapped A flange***		See Special Code
.38	MG4 = 3 WAY	2 = PN 10	2 = Screwed End	D = 3 Way Arr 1	1 = D4	1 = D4	D = DCI*	D = Durlon II/TM	1 = Gear (CI)		2 = B9	2 = B9	B = Block & bleed w/ 1/4DG432 valve		List
.5	G4B = Marathon	3 = 300	3 = Butt Weld	E = 3 Way Arr 3	2 = D20	2 = D20	L= D4L	H = High Temp/TMHT	2 = PF Gear (CI)		3 = B7 ++	3 = B7	C = Chlorine clean (DNZ) @@		
.75	G4HF = Alky Valve	4 = PN 16	4 = Socket Weld	F = 3 Way Arr 5	3 = DMM	3 = DMM	2 = D20	A = Solid PTFE	3 = Caustic PF (CI) with CI		4 = B7MT	4 = B7MT	side & bottom vent		
1	G4BHF = Marathon Alky Valve	5 = 300x600	5 = 32x34	G = 3 Way Arr 7	4 = DNI	4 = DNI	3 = DMM	B = Solid Durlon II	handwheel		5 = C20 +	5 = C20	D = Chlorine clean only (NZ)		
1.25	MG4B = 3 Way Marathon	6 = 600	6 = G434 sch10 - 5-1/2"ST	H = 3 Way Arr 8	5 = DC2	5 = DC2	4 = DNI	C = Solid Umpe	4 = Caustic CI with CI		6 = HC	6 = HC	E = Tennessee Eastman (API 599 Continuity Test		
1.5	FJMG4 = Full Jacket 3Way	7 = PN 25	7 =G434 sch40 - 3"stub	J = 3 Way Arr 13	6 = DC3	6 = DC3	5 = DC2	E = Solid TFEG	handwheel		7 = I718 ++	7 = I718	Required)		
2	FJG4 = Full Jacket G4	8 = PN 40	8 =G434 sch40 - 6"stub	K = Cv 4 1"	7 = TI	7 = TI	6 = DC3	F = UMPE Sleeve	5 = AL gear		8 = N17 ++	8 = N17	F = Prepared for Isocyanate		
2.5	FJG4B = Marathon Full Jacket G4	9 = JIS	9 =G434 sch80 - 2"stub	L = Cv 8 1"	8 = DS	8 = DSNI	7 = TI	UMPE Diaphram	6 = AL PF		9 = B7M	9 = B7M	G = Bottom Vent plug		
3	PJG4 = Partial Jacket G4		D = G434 sch80 - 3"stub	M = Cv 30 1"	9 = D2L	9 = D2L	N = DINC	G = Glass Filled	7 = Saginaw		0 = B7MZ	0 = B7MZ	H = Upstream Vent plug		
4	PJMG4 = Partial Jacket 3Way		E =G434 sch80 - 5"stub	N = Cv 31 1.5"	A = ZR	A = ZR	S = TI7B	K = Solid TMHT ¹	9 = Bare Stem		A = B8MC1	A = B8MC1	J = Bottomless plug(Degussa)		
5	G4N = 2 Way**		F = Flat Face Flange	P = Cv 54 2"	B = ZR5	B = ZR5	V= TIC2	R = TMHT/no Zyglo	A = Adjustable T Wrench		B = B16 ++	B = B16	K = Kalrez O-rings		
6	G4BN = 2 Way Marathon**		G =G434 sch80 - 6"stub	Q = Cv 122 3"	C = DV	C = DV	Y = TIF3	U = UMPE sleeve w/	B = Babbit Chain supplied		C = B8MC2	C = B8MC2	M = 125 RMS finish or better, NO GROOVES		
8	G4AA = 2 Way Acetic Acid		H =G434 sch160-3"stub	R = Cv 188 4"	D = DCI	D = DINI	Z = CE3MN	PFA diaphragm	as separate item		D = 1625	D = 1625	N = NACE Trim		
10	G4BAA = Marathon Acetic Acid		I =G434 sch160-4"stub	S = Cv 370 6"	E = ZRH	E = ZRH		X = TFE/no Zyglo	D = DBL reduction w/		F = L7M	F = L7M	O = Commercial Oxygen Cleaned		
12	FG4 = Full Area G4		J =G434 sch160-6"stub	U = Cv 3 1"	F = Z2HF	F = Z2HF		Z = TM/no Zyglo	cast iron handwheel			G = 1840	For O2 service, Viton O-rings are Viton B		
14	FRG4B = Full Round Port G4		L = BW SCH 10	W = Cv 1 1"	G = Z5HF	G = Z5HF			F = Gear PF (CI)		H = B7Z ++	H = B7Z	P = Prepared for Phosgene		
15	Marathon* (prior to mid-2016)		M = BW SCH 40	Z = Cv 171	H = LCB	H = LCBNI			w/ CI Handwheel		I = I825 +	I = 1825	R = Built Dry (Not to be used with TMHT sleeves)		
16	FRG4BC = Full Round Port G4		N = BW SCH 80		I = LCC	I = LCC			G = Gear CI w/ CI Handwheel		L = L7 ++	L = L7	S = Silicone Free		
18	Marathon* (new design after mid		P = BW SCH 160		J= D2	J= D2			H = HighHub		M = MKH	M = MKH	T = Tricock alkalation valve		
20	2016)		Q = BW XXS		K= CK3M	K = CK3M			K = Automated ***		T = B7T ++	T = B7T	U = No side vent in plug w/ solid sleeve		
25	FRG4BCHF- Full Round Port G4		R = Ring Type Joint		L = D4L	L = D4L			L = Dbl reduction PF (CI)		U = B8C2	U = B8C2	V= Vacuum service, 1 micron		
32	Alky Valve		S = Small Groove Flange		M = D20W	M = D20W			gear w/ CI handwheel		W = 660B	W = 660B	W = None	ш	
40			T = Large Groove Flange		N = DINC	N = DINC			M = Chain Wrench - Horizontal		X = 17-7PH	X= 17-7PH	X = Old style G4 (sq.stem)		
50			U = Undrilled		P = TIP	P = TIP			N = Chain Wrench - Vertical		Y= X750	Y= X750	Y = Drilled and tapped Top Cap	ш	
65			V = Concentric Grooves		R = CX2MW	R = CX2MW			R = DBL Reduction PF				Z = Firesealed - STD	ш	
75			125- 250 RA		S = TI7B	S = TI7B			(CI)Gear w/SR handwheel				ZZ = API 607 Rev 6 Fullport Firesealed Design	ш	
100			X = Flat face &		T = 904L	T = 904L			S = CI Double Reduction,				1 = Viton F O-rings, default Viton F-605C	ш	
125			undrilled flange		U = CN3MN	U = CN3MN			Caustic, PF Locking CI				2 = Hastelloy Thrust Collar	\perp	
150			Y=32x33		V = TIC2	V = TIC2			Handwheel				3 = ISO Top Cap	ш	
			(Durco Special Code Needed to detail Pipe Sch)		W = CX2M	W = CX2M			V = Oval HW				4 = BUNA O-rings (Marathon)	\perp	
			Needed to detail 1 lipe 3cm		X = CD3MN								5 = Monel backup diaphragm	ш	
\perp	* Consult engineering regarding					Y = TIF3							6 = Firesafe Plug - no bottom vent	\sqcup	
	FRG4BC availabilty		** Pipe Stubs Req'd on		Z = CE3MN	Z = CE3MN			*** Use only for valves automated at Flowserve Facility				7 = 1/8" Bottom Vent Plug	\sqcup	
	** 8"-12" 150# Std. G4N		D20, DC2, DC3, CD4M						automated at Flowserve Facility				8 = 1/8" side & bottom vent	\perp	
			DM1, CE3MN								+ These options	will derate	9 = South Carolina Eastman SS Stop Collar	\perp	
						1	* for class 150 DCI Bodies	¹ Verify MAST w/ Eng.			valve.	ļ	@ = Dupont Fluoropolymer Material	\sqcup	
							DCI Bodies				++ 600# valves should be		Q = Quality Plan (to appear as last option)	\sqcup	
						1		ļ			limited to these	options only		\sqcup	
													\$ = Position verification system	\sqcup	
				CONSULT ENGINEE	RING IF REC	UESTED OPT	ION IS NOT LISTED	IN SMART NUMBER.					®® Stainless Body requires DRY CHLORINE Tag		
													*** Drilled and Tapped Flange option SHALL be standard for all sizes for flanged valves.		
	<u> </u>	l		ITEMS STRUCK THE	RU ARE OBS	DLETE. CONS	ULT ENGINEERING	F REQUESTED.						Ш	