

# BALL VALVES

## 1 PIECE WAFER FLANGED FULL PORT BALL VALVE

### FEATURES

- FULL PORT MINIMIZES PRESSURE DROP AND PROLONG LIFE.
- ISO 5211 MOUNTING PAD
- FULL PORT
- COMPACT SPACE SAVING DESIGN
- BLOW-OUT PROOF STEM
- WIDE RANGE OF SEAT MATERIALS AVAILABLE
- INVESTMENT CAST BODY CONSTRUCTION
- FIRE SAFE DESIGN COMPLY WITH API 607 AND BS6755 (UNDER SPECIAL REQUEST)
- MANUFACTURED IN ISO 9001 APPROVED FACILITY

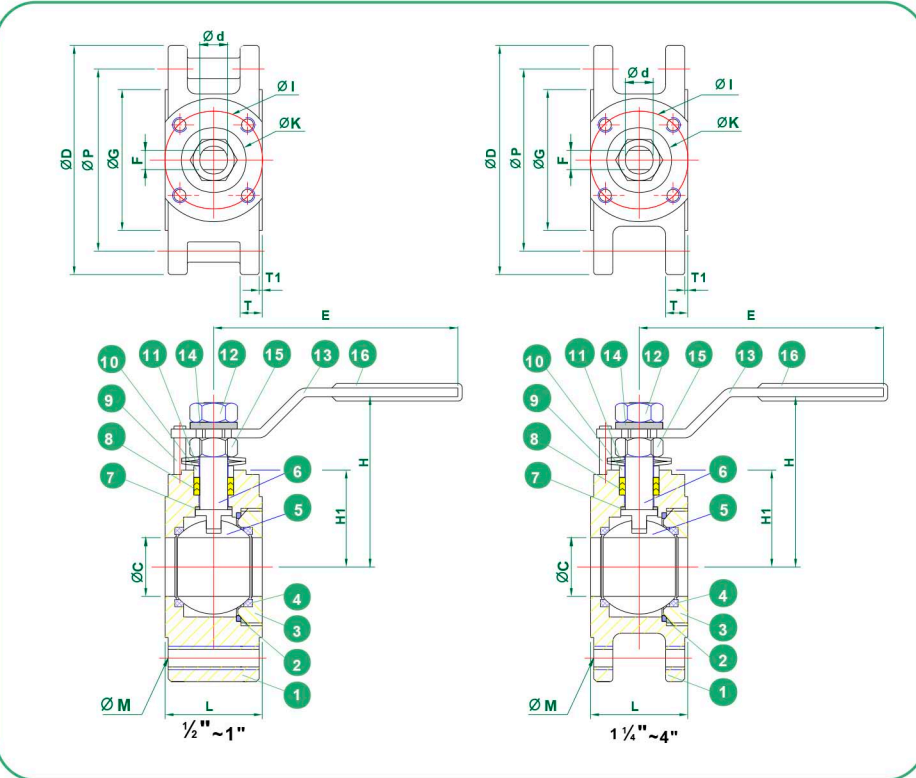
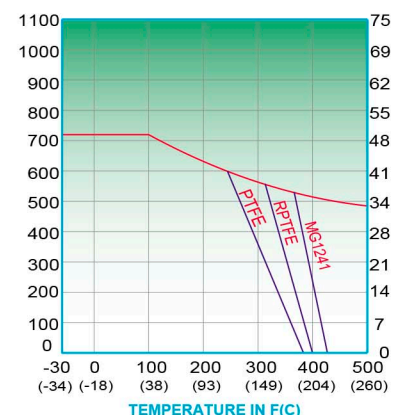
Series 4E



### MATERIAL LIST

No	PART NAME	MATERIAL	
1	BODY	WCB	CF8M
2	GASKET	PTFE	
3	RING NUT	WCB	CF8M
4	BALL SEAT	PTFE	
5	BALL	A351-CF8M	
6	STEM	SS 304	SS 316
7	STEM SEAL	PTFE	
8	STEM PACKING	PTFE	
9	STOP	AISI 304	
10	RING WASHER	AISI 304	
11	BEVEL WASHER	AISI 301	
12	NUT	AISI 304	
13	HANDLE	AISI 304	
14	SPRING WASHER	AISI 304	
15	NUT	AISI 304	
16	HANDLE SLEEVE	VINIL	

### PRESSURE-TEMPERATURE CHART



### DIMENSION (INCHES)

SIZE	ØC	ØD	Ød	E	F	ØG	H	H1	L	ØM	ØP	T	T1	WEIGHT (LB)	TORQUE (IN-LB)	CV	ISO 5211 (MM) FLANGE	Ø1	ØK
1/2"	0.63	3.54	0.39	4.57	0.26	1.77	2.24	1.26	1.38	M12	2.56	0.28	0.08	2.20	38	7	F03	36	25
3/4"	0.79	3.94	0.39	4.57	0.26	2.28	2.52	1.50	1.50	M12	2.95	0.30	0.08	3.21	87	10	F03	36	25
1"	0.98	4.33	0.39	6.50	0.26	2.56	2.68	1.65	1.73	M12	3.35	0.33	0.12	3.96	148	30	F03	36	25
1 1/4"	1.26	5.12	0.63	6.50	0.33	3.07	3.35	1.97	2.13	M16	3.94	0.67	0.12	7.22	186	46	F04	42	32
1 1/2"	1.50	5.91	0.63	7.60	0.33	3.46	3.50	2.13	2.44	M16	4.33	0.67	0.16	9.68	248	89	F05	50	35
2"	1.97	5.91	0.63	7.60	0.33	4.02	3.86	2.44	3.15	M16	4.92	0.75	0.16	10.87	286	130	F05	50	35
2 1/2"	2.52	7.01	0.79	9.25	0.47	4.80	5.08	3.23	3.98	M16	5.71	0.75	0.16	20.42	434	280	F07	70	53
3"	2.99	7.48	0.79	9.25	0.47	5.43	5.43	3.58	4.65	M16	6.30	0.83	0.16	26.05	682	350	F07	70	55
4"	3.78	8.66	0.94	12.95	0.63	6.22	6.46	4.21	5.91	M16	7.09	0.94	0.16	41.27	1054	720	F10	102	55



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### HOW TO ORDER

VALVE BODY DESIGN (SERIES)	FEATURES	MATERIAL			ENDS	CLASS	SIZE		OPERATION	
		BODY	TRIM	SEAT						
4E Full Port 1 Pcs Ball Valve Wafer Design	NONE NONE	2	WCB	3	316SS	P	PTFE	0.5	1/2"	L Manual lever Operator B Bare Shaft P Pneumatic Actuator E Electric Actuator
		3	CF8M			R	R-PTFE	0.75	3/4"	
						C	Carbon Filled PTFE	01	1"	
						M	MG1241	01.25	1 1/4"	
								01.5	1 1/2"	
						02	2"			
						02.5	2 1/2"			
						03	3"			
						04	4"			

### Example

Full Port Ball Valve, Body & Trim 316SS, Seats: PTFE, Ends: Wafer, ANSI Class 150#, Size 1/2" with Lever.

**4E-33P-F00.5L**

