

FEATURES

A TRUE DIRECTING MOUNTING 3 PCS BALL VALVE

EXTENDED ACTUATOR MOUNTING PAD ACCORDING TO ISO 5211.

WITH A SQUARE STEM.

BEST OF ALL, EASY MATED TO PNEUMATIC AND ELECTRIC ACTUATORS. EXCELENT FOR AUTOMATED SERVICE IN THE PROCESS INDUSTRY.

NO BRACKETS AND ADAPTORS ARE REQUIRED. TIME AND LABOR SAVING, PROVIDES EASY AND LOW COST AUTOMATION.

THREE PIECE DESIGN

FAST AND SIMPLE IN LINE MAINTENANCE, SEATS, SEALS, AND BALL CAN BE REPLACED QUICKLY AND EASILY WITHOUT DISTURBING PIPE ALIGNMENT.

MAINTENANCE FREE DOUBLE SEALING HIGH CYCLE STEM

PROVIDES TIGHT SHUT OFF SEALING AND **EXTRA LONGER LIFE 100,000 CYCLES AND UP.**

SELF - ADJUSTING STEM PACKING SYSTEM WITH BELLEVILLE WASHERS, AUTOMATICALLY ADJUST FOR WEAR, TEMPERATURE, AND PRESSURE FLUCTUATIONS.

V CHEVRON PACKING / VITON O'RING IMPROVES SEAL AND REDUCES OPERATING TORQUE.

TRUE TUBE FULL PORT DESIGN

ASSURES FULL UNOBSTRUCTED FLOW, ELIMINATES TRAP AREAS, AND REDUCES PRESSURE DROP.

BODY END CAPS AND TRIM IN 316 L SS

BOTTOM ENTRY BLOW-OUT PROOF STEM

PREVENTS STEM FROM BLOWING OUT, PROVIDES MAXIMUM SAFETY.

EXTENDED NECK

ALLOWS EASY ACCESS FOR MOUNTING ACTUATOR WITHOUT INTERFERENCE WITH PIPE LINE.

CAVITY FILLERS SEATS

NO CAVITIES. NO CONTAMINATION. THERE ARE NOT BODY CAVITIES WHERE FLOW MEDIA CAN ACCUMULATE AND CONTAMINATE FUTURE PROCESSING. THE CAVITY-FREE DESIGN ALSO PREVENTS STICKING.

END CONNECTIONS

TRI-CLAMP ENDS, TUBE OD BW.

ANTI - STATIC DEVICE

AN INTERNAL ANTI - STATIC DESIGN IS STANDARD.

OPTIONAL PURGE PORTS FOR CIP/SIP ARE AVAILABLE

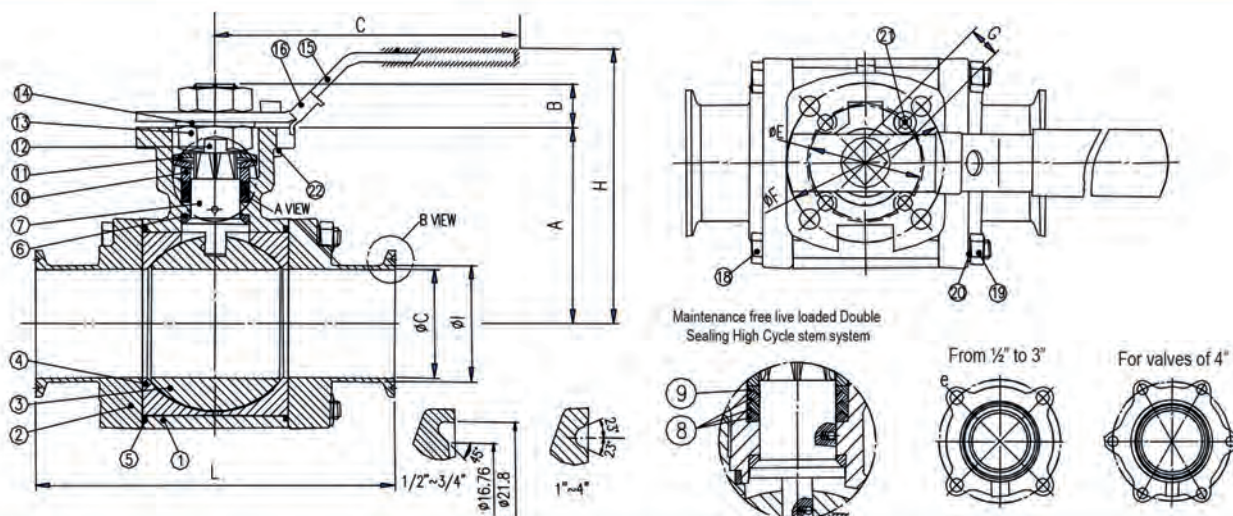
WETTED PARTS POLISHING STANDARD.

240 GRIT / 8-20 RA

MANUFACTURED IN ISO 9001 APPROVED FACILITY

COMPLY WITH API 608.

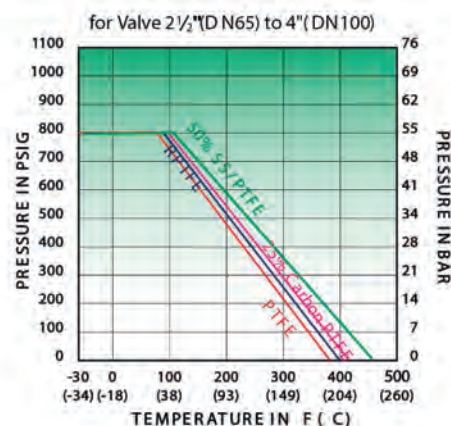
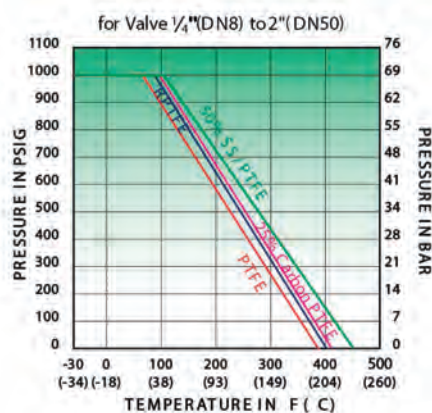




MATERIAL LIST

No.	PART NAME	MATERIAL
1	BODY	CF3M
2	END CAP	CF3M
3	BALL	SS 316L
4	SEAT	PTFE/ R-PTFE
5	JOINT GASKET	PTFE
6	STEM SEAL	PTFE
7	STEM	SS 316L
8	GLAND PACKING	PTFE
9	GLAND PACKING	RPTFE
10	GLAND BUSH	SS 304
11	BELLEVILLE WASHER	SS 301
12	STOP WASHER	SS 304
13	STEM NUT	SS 304
14	STEM WASHER	SS 304
15	HANDLE	SS 304
16	LOCKING DEVICE	SS 304
17	HANDLE SLEEVE	VINYL
18	BOLT	SS 304
19	BOLT NUT	SS 304
20	BOLT WASHER	SS 304
21	STOP PIN	SS 304
22	PIN NUT	SS 304

PRESSURE-TEMPERATURE CHART



DIMENSION (INCHES)

SIZE	ØC	ØI	A	B	C	H	L		WEIGHT (LBS)		TORQUE (IN-LBS)	Cv USGPM	FLANGE	ISO5211 (MM)		
							CLAMP	TUBE	CLAMP	TUBE				ØE	ØF	G
1/2 "	0.37	0.50	1.66	0.25	5.47	3.03	3.51	5.50	1.67	1.56	89	14	F03/F04	36	42	9
3/4"	0.62	0.75	1.89	0.27	5.47	3.27	4.00	5.75	1.91	2.00	106	45	F03/F04	36	42	9
1"	0.87	1.00	2.23	0.44	6.50	3.78	4.51	6.25	3.17	2.77	150	81	F04/F05	42	50	11
1 1/2"	1.37	1.50	3.05	0.56	8.46	5.00	5.52	7.50	7.24	7.13	354	215	F05/F07	50	70	14
2"	1.87	2.00	3.35	0.56	8.46	5.28	6.26	8.50	10.05	7.90	425	410	F05/F07	50	70	14
2 1/2"	2.37	2.50	4.28	0.67	11.81	6.57	6.85	9.75	20.81	21.78	867	618	F07/F10	70	102	17
3"	2.87	3.00	4.63	0.71	14.57	6.93	7.61	10.50	28.18	29.02	982	980	F07/F10	70	102	17
4"	3.83	4.00	5.22	0.67	14.57	7.56	8.90	12.50	44.73	46.49	1097	1840	F07/F10	70	102	17

HOW TO ORDER

CLASS		SERIES		FEATURES		BODY		MATERIAL		SEAT		ENDS		SIZE		OPERATION															
1	1000# WOG	3SM	Full Port 3 Pcs Sanitary Ball Valve, ISO 5211 MK	NONE	NONE	3	CF8M	3	316SS	PS	Std PTFE	B	Welded	0.5	1/2"	L	Manual Lever Operator														
				D	DIN	4	CF8	4	304 SS	PC	Cavity Filler PTFE	C	Clamp	0.75	3/4"																
				M	SMS	5	CF3M	5	316L SS			M	Two different ends	01	1"			C	Manual Lever Operator with Locking Device												
				I	ISO	7	CF3	7	304L SS					01.25	1 1/4"																
				D	IDF									01.5	1 1/2"					B	Bare Shaft										
				R	RJT									02	2"							O	Oval Handle								
				S	DS									02.5	2 1/2"																
				A	3A									03	3"							S	Spring Return safety Handle								
				B	BS									04	4"																
																												SR	Spring Return Sliding Lock		
																														X	Economical Stem Extention
																	E	Electric Actuator													

Example

3 Pcs Full Port Sanitary Ball Valve, ISO 5211 MK, Body & Trim 316SS, Cavity Filler Seats: PTFE,
Ends: Clamp, 1/2" 1000# WOG with Manual Lever and Locking Device.

13SM33PCC0.5C

