

SERIES 24

MADE IN MARS

Direct Mount Design

2-Piece Ball Valves

Stainless Steel and Carbon Steel

Full Port: 1/4" - 11/2"

Reduced Port: 2"

Pressure Rating: 3000 PSI

DESIGN ADVANTAGES

 Dual Pattern ISO 5211 Mounting Pad with Square Shaft

Allows an actuator bolted directly to the top of ball valves, No bracket and coupler required, provides easy and low cost automation with improved cycle life.

O-Ring Stem Seal

Enhances stem wear and maintains stem alignment, provides extra longer service life.

Anti-Static Device

Spring loaded stem-to-ball and stem-to-body anti-static device as standard

 Blow-Out Proof Stem For maximum safety.

 Fire-Safe Design compliance with API 607 4th Edition and BS6755 part 2 Take a good look, it may be your future

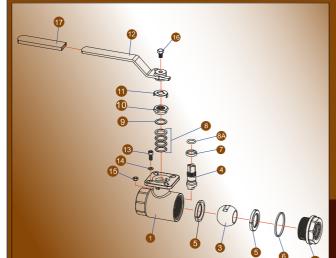


FIG. 24-20 Male / Female Threaded

FIG. 24-10 Female / Female Threaded

Mars Valve Patented Direct Mount Ball Valves set a new standard for ball valve / actuator mounting, enhance functional performance with easy installation and lower maintenance costs.







No bracket and adapter are required, the valve stem is an integral part of the actuator drive. The direct valve stem coupling to actuator shaft ensures correct alignment of the valve to the actuator, minimizes stem side loading and backlash during operation, increased service life and performance.

Series 24 with Spring Return Safety Handle

MATERIALS LIST

MIA	IERIALS LI			
NO.	PART NAME	MATER	RIAL	Q'TY
1	Body	CF8M /	WCB	1
2	End Cap	CF8M /	WCB	1
3	Ball	CF8	1	
4	Anti Static Stem			1
5	Ball Seat	TFM1600	DELRIN	2
6	Body Seal	PTFE	PTFE	1
7	Thrust Washer	PTFE	DELRIN	1
8	Stem Packing	PTFE	PTFE	1
8A	O-ring	VITO	ON	1
9	Thrust Washer	50%SS / 50)% + PTFE	1
10	Stem Nut	SS	304	1
11	Lock Saddle	SS	304	1
12	Handle	SS	304	1
13	Stop Bolt	SS	304	1
14	Stop Nut	SS	304	1
15	Stop Washer	SS	304	1
16	Handle Bolt	SS	304	1
17	Handle Sleeve	VIV	1	

BREAK AWAY TORQUE

seat material	DE	LRIN	PE	EK	TFM 1600		
size	Nm	In-Lbs	Nm	In-Lbs	Nm	In-Lbs	
1/4"	12	104	26	234	12	104	
3/8"	12	104	26	234	12	104	
1/2"	15	130	26	234	12	104	
3/4"	18	156	35	312	12	104	
1"	23	208	51	455	19	169	
11/4"	44	390	66	585	23	208	
11/2"	53	468	88	780	29	260	
2" RB	"RB 53 468		88	780	29	260	

Standard Mars valves are assembled with silicon-free based in lubricant, torque for dry assembled valves please consult factory.

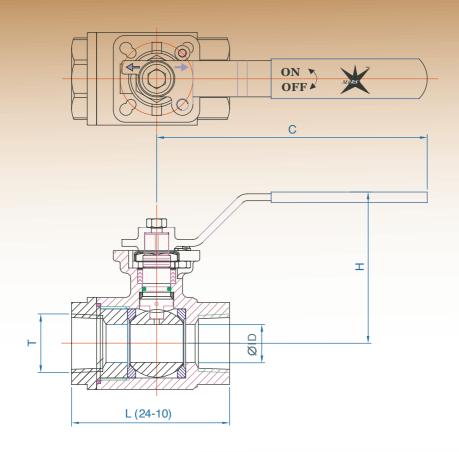
Cv Value

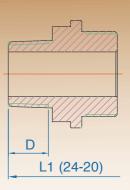
1/4"	3/8"	1/2"	3/4"	1"	11/4"	11/2"	2"	
5.3	8.0	19.0	35.0	50.0	110.0	180.0	210.0	

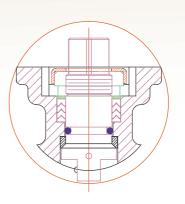
The SRS handle is a spring energized handle, the ball valve will return to predetermined closed (or open) position when an operator disengages from handle, provides safe and positive fail close or open operation, creating a reliable sampling, filling, dispensing, and

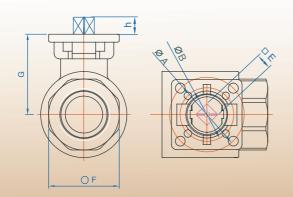
reliable sampling, filling, dispensing, and pressure relief valve. Full S.S.construction provides excellent corrosion resistance for extended service life.

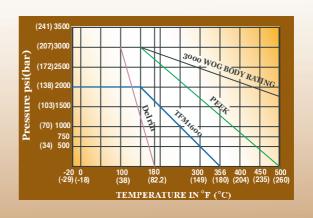
DIMENSIONS (mm)











SIZE	ØID	A	В	C	□E	○ F	G	h	Н	L	L1	D	T
1/4"	9.7	F03	F04	126	9	25.9	41.0	8	72	75	88.9	11.4	NPT
3/8"	9.7	F03	F04	126	9	25.9	41.0	8	72	75	88.9	11.4	INFI
1/2"	12.7	F03	F04	126	9	32.6	41.0	8	72	75	92	15	PT
3/4"	17.5	F03	F04	126	9	38.4	43.8	8	73	81	99	16	' '
1"	22.1	F04	F05	156	11	47.2	53.5	10	87	91	113	20	PF
1 1/4"	29.0	F04	F05	156	11	58.9	59.0	10	93	110	127.1	21	ГГ
11/2"	34.7	F05	F07	181	14	66.2	75.2	13	114	121	141	23	2999
2" RB	34.7	F05	F07	181	14	82.0	75.2	13	114	145	155	22	2333



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