

3 Piece Ball Valves 1/4" to 4" Full Port

www.marsvalve.com.tw

DO YOU STILL USE CONVENTIONAL ACTUATOR MOUNTING?

and ada the brack failure fit
A simple and high
A warped loading of
If the ada



Conventional mounting method is to use a bracket and adapter between ball valve and actuator, however, the bracket and adapter can often be the source of failure for valve / actuator packages:

- A simple misalignment of the bracket and adapter can cause excessive wear and high torque than expected, this can result in stem leakage or valve stall.
- A warped bracket, however slightly, or the bolt drillings lose center, stem side loading can occur.
- If the adapter is too long and bracket bolts are drawn down tightly, the adapter can jam the valve stem into valve ball resulting in higher torque than the actuator provided.
- The bracket and adapter leave exposed moving parts, when the adapter turns it can become a pinch point and injury may occur.
- The connections between the adapter and the valve stem and the adapter and the actuator drive can create a slope, known as hysteresis, the looseness of the connecting surface can cause the valve to not fully open or fully close.

Patented Direct Mount Design

The U.S., Germany, and China Patent and Trademark Offices have awarded Mars Valve Patent Protection for the Direct Mount Design.



U.S. Patent 5,954,088
 Germany Patent 299.02.532.2
 China Patent ZL 98 2 09161.3

Mars Direct Mount Ball Valve Sets A New Standard For Ball Valve / Actuator Mounting, Enhances Functional Performance With Easy Installation And Lower Maintenance Cost.



The new way of mounting actuator is the Direct Mount Configuration, it is designed to overcome the problems of conventional actuator mounting. This design allows an actuator bolted directly to the top of ball valves for greater reliability, easy installation and improved cycling life.



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.

- Modular design and simplicity
- No confusion as to how to select brackets and adapters.
- Low cost and easy automation
- Direct mount eliminates the need for additional brackets and adapters, time and labor saving too.

In the event maintenance is needed, Mars Direct Mount ball valves facilitate fast, easy breakdown and assembly of ball valve and actuator package, the result is reduced maintenance time and the lowest overall cost of ownership.

- •Compact and Space-Saving The close coupling of the actuator to the valve makes the total package as compact as possible.
- Safety

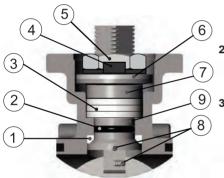
There are no External Moving Parts, No Pinch Points.

• Direct Valve Stem / Actuator Drive Connection Less chance for Hysteresis.

SERIES 77 Direct Mount High Performance Three-Piece Ball Valves



Mars Unique SealMax[®] Triple-Sealing Stem Packing System - Live Loaded -Maintenance Free - Extra Long Cycle Life - TA-Luft Approved



- 1. Pyramidal Stem with Stem Seal First stage of defense against leakage. The 45° slope of the stem accompany the stem seal effectively blocks all leak path during rotation.
- 2. O-Ring Stem Packing Second stage of defense against leakage. Enhances stem seal and maintains stem alignment, provides extra longer service life.
- 8. V-Ring Stem Packing Third stage of defense against leakage. Multiple layers of V-Ring Chevron Packing expands side way as it is being compressed, blocking all air pockets to prevent leak path.
- 4. Lock Saddle

Stabilizes the entire stem nut to keep it from loosening during operation

5. Stem Nut

Compress the entire stem system to enable blocking of leakage

6. Belleville Washers

Automatically compress the seals to adjust for wear, pressure, and temperature fluctuations.

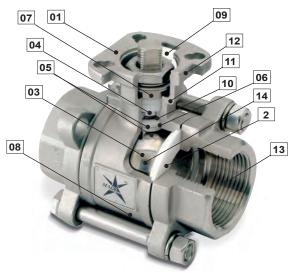
7. Gland

Made of stainless steel, equally distributes the compressive force on the packing and seal.

- 8. Anti-Static Device
- Stem-to-Ball and Stem-to-Body as standard **9. Super Smooth Stem Finish**
- Reduces seal friction and operating torque, prolongs service life.



MARS SERIES 77 DIRECT MOUNT BALL VALVES OFFER ADVANTAGE WELL BEYOND FOLLOWERS



1. DUAL PATTERN ISO 5211 Mounting Pad With Square Shaft

No bracket and adapter are required for actuator mounting, provides easy and low cost actuation with improved cycle life.

2. Seats

*Features with relief slots to relieve pressure in upstream, reducing seat wear and valve torque

*Wide range of materials available to suit various applications **3. Ball**

*Precisely machined, mirror polished solid ball for bubble tight shutoff with less operating torque

*A relief hole in stem slot to balance the pressure in the body cavity ensures tight shutoff and long service life

- 4. Blow-Out Proof Stem Prevents stem from blowing out, for maximum safety
- 5. Anti-Static Device Standard applied to ball-to-stem and stem-to-body
- 6. MARS SealMax[®]Stem Design Provides optimum stem seal and extremely high cycle life
- 7. Super Smooth Stem Surface Reduces seal friction and operating torque, prolongs service life.
- 8. 3-Piece Swing-Out Design Fast and simple inline maintenance
- 9. Patented Leak-Watching Window

Standard on Mars Direct Mount Ball Valves, for an early warning of stem leak, prevents accident and business disruption costs.

10. O-Ring Stem Seal

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

11. Extended Valve Neck

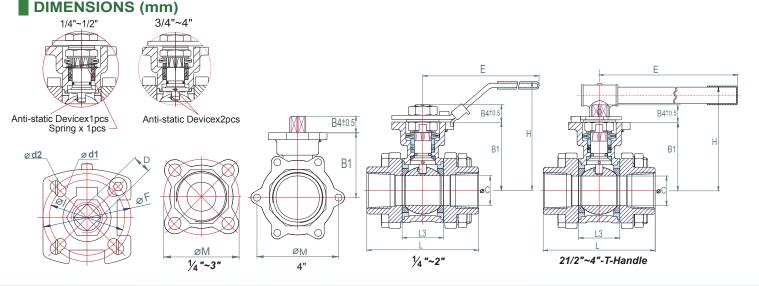
Gives sufficient room between mounting pad and valve body, allows easy access for mounting actuator without interference with pipeline

12. Locking Device Standard

13. Stainless Steel Welded Ends in CF3M Standard Reduces inter-granular corrosion in welding.

14. Floating Ball

Provides pressure - assisted sealing plus temperature and wear compensation, for positive shutoff



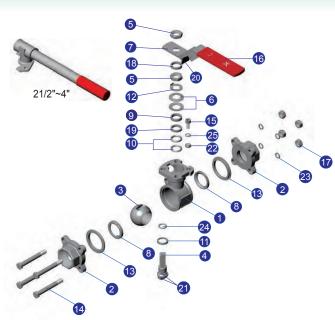
DIMENSIONS (mm) Dimension D: 17/19 Standard 17, Option 19

				<u>) (</u>						<u> </u>	19				,	- 1-													
SIZE	ØA	B1	B4±0.5	ØC	D	E	@E	ØG	Н	@H	Ød1	Ød2	Øl	ØF	J	* L	L	L1	*L1	L2	L3	LE	ØM	LF	Ν	ØP	ØQ	ØR	
1/4"	14.3	42.1	6.1	11.6	9.0	139		16.2	77		6	6	36	42	1.6	60	63.7	62.7	70	10	23.6	225	46						
3⁄8"	17.6	42.1	6.1	12.7	9.0	139		17.5	77	/	6	6	36	42	1.6	60	63.7	62.7	70	10	23.6	225	46						
1/2"	21.9	42.1	6.1	15.0	9.0	139	185	22.7	77	74	6	6	36	42	1.6	75	65.7	65.7	75	10	23.6	225	46	130	4	65	14	45	
3/ "	27.3	48.0	6.6	20.0	9.0	139	185	27.5	83	90	6	6	36	42	1.6	80	76.2	76.2	90	13	28	225	52	150	4	75	14	58	
1"	33.9	56.6	10.9	25.0	11.0	165	212	34	96	101	6	7	42	50	1.6	90	86.2	86.2	100	13	33.9	245	60	160	4	85	14	68	
11/4	42.8	60.9	10.9	32.0	11.0	165	212	42.7	100	108	6	7	42	50	1.6	110	102.8	102.8	110	13	42.5	255	73.5	180	4	100	18	78	
11⁄2"	48.9	77.5	13.9	38.0	14.0	215	262	48.6	127	127	7.5	9	50	70	1.6	120	119.4	119.4	125	13	53.2	260	85.5	200	4	110	18	88	
		85.2											50	70	1.6	140	131.4	131.4	150	16	64.6	275	103.8	230	4	125	18	102	
2½ "	ANSI 74 PN 76.9	108.7	16.8	65.0	17 19	300	300	76.3	167	167	10	12	70	102	2	185	164	164	190	16	87	334	130	290	8	145	18	122	
					/ 10																		155.5					138	
4"	115.5	132.55	17.8	100	17 19	370	370	116.0	192	192	10	12	70	102	3.5	240	235.6	236.2	270	20	127	365	188	350	8	190	22	162	
* L -	L - Dimension for DIN 3202-M3 Length @ Dimension for-PN40/PN16/ANSI 150#																												

*L1 - Dimension for S13 Length

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MATERIALS LIST

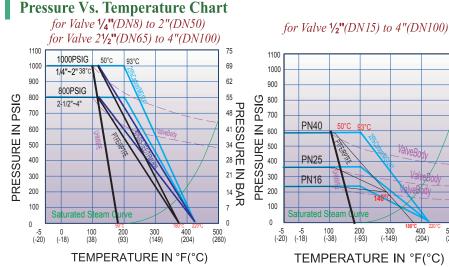


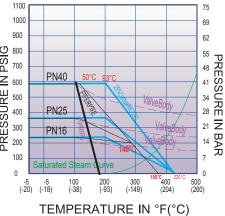
NO.	PART NAME	MAT	ERIAL	Q'TY
1	Body	CF8M	WCB	1
2	End Cap	CF8M [¤]	WCB	2
3	Ball	SUS31	6/CF8M	1
4	Stem	SUS	6316	1
5	Stem Nut		\$304	2
6	Belleville Washer	SUS	\$301	2
7	Handle	SUS	\$304	1
8	Seat	RP'	TFE	2
9	Gland	SUS	\$304	1
10	Stem Packing	PT	FE	§
11	Stem Seal	RP	FE	1
12	Lock Saddle	SUS	\$304	1
13	Joint Gasket		FE	2
14	Bolt	SUS	\$304	*
15	Stop Bolt	SUS	\$304	1
16	Handle Sleeve	VIN	IYL	1
17	Bolt Nut	SU	S304	†
18	Stem Washer	SUS	5304	1
19	Stem Packing		er Filled+PTFE	1
20	Locking Device	SUS	\$304	1
21	Antistatic Device	SUS	\$316	#
22	Stop Nut	SUS	\$304	1
23	Bolt Washer	SUS	\$304	†
24	O-RING	VII	ON	1
25	Washer	SUS	304	1

Socket weld and butt weld uses CF3M material \$ For 1/4*-2*-2pcs, 21/2*-4*-3pcs, * For 1/2* 0 3*-4pcs; For 4*-6pcs For 2* to 3*-4pcs of bolts(double ends, external thread)

For 4"-6pcs of bolts(double ends, external thread)

For 1/4" to 2"- 4pcs; For 21/2"-3"-8pcs,For 4"-12pcs.
 # 1/4"-1/2"-1pcs,3/4"-4"-2pcs.
 Series 77, Ball valve uses WCB material,
 For 2" ~ 4", bolt uses Ferritic Steels material,
 B7 (No.14 bolt B7 equipped with No.17 nut 2H)





Breakaway Torque(RPTFE) & Cv Value

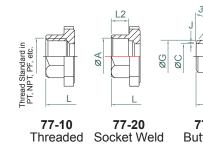
SIZE	DN	Inch-Lb	Nm	Cvus.GPM	Kv m ³ /h
1/4"	8	58	7	7	6
3/8"	10	58	7	8	7
1/2"	15	58	7	15	13
3/4"	20	69	8	40	34
1"	25	127	14	70	60
1.1/4"	32	173	20	110	94
1.1/2"	40	253	29	250	213
2"	50	323	36	430	366
2. 1/2"	65	518	59	700	595
3"	80	806	91	1100	935
4"	100	1014	114	2000	1700

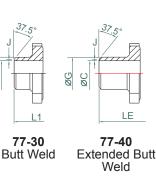
* Break Away Torque

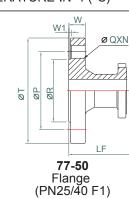
-30% safety factor included

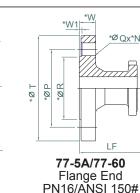
-Standard Mars valves are assembled with silicon-free based in lubricant, torque for dry assembled valves please consult factory

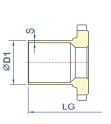
END CAP OPTIONS











77-70 Extended ISO (Butt Weld End)

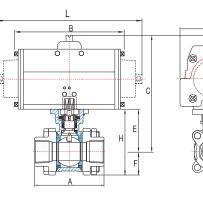
ØT	W	W1	LF	*N	*Ø P	*Ø Q	*ØR	*ØT	*W	*W1	LF	*N	*Ø P	*Ø Q	*ØR	*Ø T	*W	*W1	ØD1	LG	S	Wt(kg)	ISO5211
DNIOS		7 50)												150#	(1/2"~4	")77 60						0.63	F03/F04 **F03/F04/F05
PN25	/40(7	7-50)			PNT	5(21/2	2"~4")7	(7-5A					ANOI	150#	(1/2 ~4)77-00			17.2	120.2	1.6	0.63	F03/F04 **F03/F04/F05
95	16	2							/		127	4	60.5	16	35.1	88.9	11.2	1.6	21.3	140.2	1.6	0.66	F03/F04 **F03/F04/F05
105	18	2						/			140	4	69.9	16	42.9	98.6	11.2	1.6	26.9	140	1.6	0.82	F03/F04 **F03/F04/F05
115	18	2					/				154	4	79.2	16	50.8	108	11.5	1.6	33.7	152.2	1.8	1.25	F04/F05
140	18	2									172	4	88.9	16	63.5	117.3	13.1	1.6	42.4	165.1	2	1.94	F04/F05
150	18	3									186	4	98.6	16	73.2	127	14.6	1.6	48.3	190.4	2	3.15	F05/F07
165	20	3									213.8	4	120.7	19	91.9	152.4	15.9	1.6	60.3	203	2.5	4.56	F05/F07
185	22	3	290	4	145	18	122	185	18	3	245	4	139.7	19	104.6	177.8	17.6	1.6	76.1	254	3	9.01	F07/F10
200	24	3	310	8	160	18	138	200	20	3	261.6	4	152.4	19	127	190.5	19.1	1.6	88.9	280.2	3	12.3	F07/F10
 235	24	3	350	8	180	18	158	220	20	3	348	8	190.5	19	157.2	228.6	23.9	1.6	114.3	317	3	21.54	F07/F10

** Size 1/4" to 3/4" ISO 5211 standard configuration is F03/F04, and for your convenience the F03/F04/F05 is available as option.

MARS VALVE OFFERS SINGLE-RELIABLE-SOURCE FOR A COMPLETE LINE OF BALL VALVES, ACTUATORS, AND ACCESSORIES TO MEET YOUR AUTOMATION REQUIREMENTS.

Series 77 with **AirMars Pneumatic Actuators**

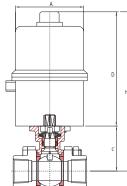




Valve									W		D
Size	A	В	С	D	E	F	н	Actuator	Lbs.	Kg.	Remark
1/4"	63.7	120	126.1	62.2	42.1	23.3	65.4	A-125	3.37	1.53	
3/8"	63.7	120	126.1	62.2	42.1	23.3	65.4	A-125	3.37	1.53	
1/2"	65.7	120	126.1	62.2	42.1	23.3	65.4	A-125	3.44	1.56	
3/4"	76.2	120	132	62.2	48	25.4	73.4	A-125	3.79	1.72	
1"	86.2	144.3	155.6	81.4	56.6	28.3	84.9	A-250	5.86	2.66	
11/4"	102.8	144.3	159.9	81.4	60.9	34.5	95.4	A-250	7.39	3.35	
11/2"	119.4	149.2	195.5	95	77.5	39.3	116.8	A-450	11.07	5.02	
2"	131.4	149.2	203.2	95	85.2	47.3	132.5	A-450	14.11	6.40	
21/2"	164	183	249.7	119	108.7	58.5	167.2	A-1000	26.41	11.98	
3"	182.7	183	258.7	119	117.7	69	186.7	A-1000	33.20	15.06	
4"	235.6	259.6	293.6	140.5	132.6	95.4	228	A-2250	61.95	28.10	+ 🗆
Spring-Return (80 PSI)											
Valve											
Size	A	I L	C						· · ·	V L	
		- E	L C	D	E	F	Н	Actuator	Lbs	Kg.	Remai
1/4"	63.7	∟ 194.6	-	0 81.4	₽ 42.1	F 23.3	н 65.4	Actuator A-250SR4	Lbs.	Kg.	Remai + □
1/4" 3/8"		-	141.1	_	_				Lbs 5.36	. Kg. 2.43	
		194.6	141.1 141.1	81.4	42.1	23.3	65.4	A-250SR4	Lbs 5.36 5.36	Kg. 2.43 2.43	+ 🗆
3/8"	63.7	194.6 194.6	141.1 141.1	81.4 81.4	42.1 42.1	23.3 23.3	65.4 65.4	A-250SR4 A-250SR4	Lbs 5.36 5.36 5.42	Kg. 2.43 2.43 2.43 2.46	+ 🗆
3/8" 1/2"	63.7 65.7	194.6 194.6 194.6 194.6	141.1 141.1 141.1	81.4 81.4 81.4	42.1 42.1 42.1	23.3 23.3 23.3	65.4 65.4 65.4	A-250SR4 A-250SR4 A-250SR4	Lbs 5.36 5.36 5.42 5.78	Kg. 2.43 2.43 2.43 2.46 2.62	+ 🗆 + 🗆 + 🗆
3/8" 1/2" 3/4" 1"	63.7 65.7 76.2	194.6 194.6 194.6 194.6	141.1 141.1 141.1 147 174.6	81.4 81.4 81.4 81.4 95	42.1 42.1 42.1 48	23.3 23.3 23.3 25.4	65.4 65.4 65.4 73.4	A-250SR4 A-250SR4 A-250SR4 A-250SR4	Lbs. 5.36 5.36 5.42 5.78 8.73	Kg. 2.43 2.43 2.46 2.62 3.96	+
3/8" 1/2" 3/4" 1"	63.7 65.7 76.2 86.2	194.6 194.6 194.6 194.6 205.6	141.1 141.1 141.1 147 174.6 201.9	81.4 81.4 81.4 81.4 95	42.1 42.1 42.1 48 56.6	23.3 23.3 23.3 25.4 28.3	65.4 65.4 65.4 73.4 84.9	A-250SR4 A-250SR4 A-250SR4 A-250SR4 A-450SR4	Lbs. 5.36 5.36 5.42 5.78 8.73 4 15.32	Kg. 2.43 2.43 2.43 2.46 2.62 3.96 2 6.95	+
3/8" 1/2" 3/4" 1" 11/4"	63.7 65.7 76.2 86.2 102.8 119.4	194.6 194.6 194.6 194.6 205.6 250.0	141.1 141.1 141.1 147 174.6 201.9 218.5	81.4 81.4 81.4 95 119	42.1 42.1 42.1 48 56.6 60.9	23.3 23.3 23.3 25.4 28.3 34.5 39.3	65.4 65.4 73.4 84.9 95.4	A-250SR4 A-250SR4 A-250SR4 A-250SR4 A-450SR4 A-1000SR4	Lbs. 5.36 5.42 5.42 5.78 8.73 4 15.32 4 17.68	Kg. 2.43 2.43 2.46 2.62 3.96 2.62 6.95 8.02	+ 🗆 + 🗆 + 🗆
3/8" 1/2" 3/4" 1" 11/4" 11/2"	63.7 65.7 76.2 86.2 102.8 119.4 131.4	194.6 194.6 194.6 205.6 250.0 250.0	141.1 141.1 141.1 147 174.6 201.9 218.5 226.2	81.4 81.4 81.4 95 119 119 119	42.1 42.1 42.1 48 56.6 60.9 77.5	23.3 23.3 25.4 28.3 34.5 39.3 47.3	65.4 65.4 73.4 84.9 95.4 116.8	A-250SR4 A-250SR4 A-250SR4 A-250SR4 A-450SR4 A-1000SR A-1000SR	Lbs. 5.36 5.42 5.42 5.78 8.73 4 15.32 4 15.32 4 20.72	Kg. 2.43 2.43 2.46 2.62 3.96 2.62 6.95 8.02	+ [] + [] + [] + [] + [] + [] + [] + []
3/8" 1/2" 3/4" 1" 11/4" 11/2" 2"	63.7 65.7 76.2 86.2 102.8 119.4 131.4	194.6 194.6 194.6 205.6 250.0 250.0 250.0	141.1 141.1 141.1 147 174.6 201.9 218.5 226.2 269.7	81.4 81.4 81.4 95 119 119 119 140.5	42.1 42.1 42.1 48 56.6 60.9 77.5 85.2	23.3 23.3 25.4 28.3 34.5 39.3 47.3	65.4 65.4 73.4 84.9 95.4 116.8 132.5	A-250SR4 A-250SR4 A-250SR4 A-250SR4 A-450SR4 A-1000SR A-1000SR A-1000SR	Lbs. 5.36 5.36 5.42 5.78 8.73 4 15.32 4 15.32 4 17.68 4 20.72 4 40.30	Kg. 2.43 2.43 2.46 2.46 2.62 3.96 2.695 8.02 2.9.40	+ [] + [] + [] + [] + [] + [] + [] + []

Series 77 with **PowerMars Electric Actuators**





	Electric	Flange	\diamond						٠		V	/t	Demonto	
VALVE SIZE	Actuator	Туре	\sim	A	С	D	H	L	STEM	ISO 5211	Lbs.	Kg	Remark	
1/4"	OM-1	F03/F05	14	106	42.1	150	192.1	63.7	9	F03/F04	5.58	2.53	+□	
3/8"	OM-1	F03/F05	14	106	42.1	150	192.1	63.7	9	F03/F04	5.58	2.53	+□	
1/2"	OM-1	F03/F05	14	106	42.1	150	192.1	65.7	9	F03/F04	5.65	2.56	+🗆	
3/4"	OM-1	F03/F05	14	106	48	150	198	76.2	9	F03/F04	6.00	2.72	+🗆	
1"	OM-1	F03/F05	14	106	56.6	150	206.6	86.2	11	F04/F05	6.75	3.06	+□	
11/4"	OM-1	F03/F05	14	106	60.9	150	210.6	102.8	11	F04/F05	8.27	3.75	+	
11/2"	OM-1	F05/F07	14	106	77.5	150	227.5	119.4	14	F05/F07	10.63	4.82		
2"	OM-A	F05/F07	17	106	85.2	196	281.2	131.4	14	F05/F07	15.88	7.20	+🗆	
21/2"	OM-2	F07	22	181	108.7	255	363.7	164	17	F07/F10	42.54	19.28	+🗆	
3"	OM-3	F07	22	181	117.7	255	372.7	182.7	17	F07/F10	49.33	22.36	+	
4"	OM-3	F07	22	181	132.6	255	387.6	235.6	17	F07/F10	68.53	31.06	+□	

MARS TOP WORKS MAKE AUTOMATION AS EASY AS IT GETS 77 SERIES Standard



Dimension F: 17/19 Standard 17, Option 19

	SIZE	ISO5211 DIN 3337		Inner Holes PCD	Outer Holes PCD	Outer Holes DIA (Clearance)	Inner Holes DIA (Clearance)	F Stem Square Across Flats	H Square H/T Above plate	Top Plate to Stem Nut (Clearance)
	1/4" ~ 1/2"	F03/F04 * F03/F04/F05	25	36	42	6	6	9	6.4	2.5
	3/4"	F03/F04 * F03/F04/F05	25	36	42	6	6	9	6.9	2.5
	1"	F04/F05	30	42	50	7	6	11	11.2	2.5
dia	1-1/4"	F04/F05	30	42	50	7	6	11	11.2	2.5
	1-1/2"	F05/F07	38.5	50	70	9	7.5	14	14.2	
	2"	F05/F07	38.5	50	70	9	7.5	14	14.2	
	2 - 1/2"	F07/F10	55	70	102	12	10	17 19	17.1	3.5
1/4"~1-1/4" 2-1/2"~4" 1-1/2",2"	3"	F07/F10	55	70	102	12	10	17 19	18.1	3.5
	4"	F07/F10	55	70	102	12	10	17 19	17.1	3.5

* Size 1/4" to 3/4" ISO 5211 standard configuration is F03/F04, F03/F04/F05 as option

MARS OPTIONAL VALVE ACCESSORIES INCREASE PRODUCTIVITY AND GIVE YOU MORE CONTROL OVER YOUR INDUSTRIAL PROCESS

SERIES 77L BALL VALVES WITH LOOSE ENDS 1/4" - 4", Full Port, 1000 PSI

- Loose ends design allows ball valve 360 degrees rotation around the pipe, free position.
- No risk of misalignment of connections after welding.
- Time Saving and low cost welding, no need to take care the position of connections when welding ball valve with pipe line.



SERIES 77 Non-Return Three-Piece Ball-Cheever Designed for handling steam and aggressive media One valve instead of an isolation valve and a non-return valve for most steam and process application



The SRS Handle is a spring energized handle, the ball valve will return to pre-determined 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 pressure relief valve. Full S.S. construction provides excellent

SERIES 77

With Mars "TSM" unit Adds Extra Safety and Long Service Life

The TSM unit designed for possible fugitive emission to meet TA-Luft requirements for a safe and clean environment, provides a secondary stem seal for the valve stem,

prolong service

The TSM unit can also function as stem extension for insulation.

SERIES 77 Titanium BALL VALVES Light weight, Excellent for Corrosion Resistance

corrosion resistance forextended service life.



SERIES 77 INTERCHANGEABILITY

Valve Ball, Seats and Seals, and End Caps are interchangeable with the Mars Series 50, Series 55, and Series 55A three-piece ball valves



SERIES 50

SERIES 55

SEREIS 55A



MARS SERIES 77 V-CONTROL BALL VALVES

Mars V-Control Ball valves match the control performance of globe valve, excellent for modulating service, but Mars V-Control ball valves are more compact, lighter weight, and much less expensive than globe valves.



 $30^{\circ}\text{V},\,60^{\circ}\text{V},\,90^{\circ}\text{V}$ are standard, others on request

SPRING RETURN SLIDING LOCK HANDLE

MARS SOLENOID VALVES

LIMIT SWITCHES



No matter the orientation of the ball valves, the SRSL handle always secures handle in position, making valve operation safe.



NAMUR interface High Switch Reliability No matter the orientation, valve mayt be mounted in any position



Visual Position Indicator "Quick Set" Cams Compact Design Enclosure: Weather Proof NEMA 4 (IP 68) Explosion Proof IIC T6 Max. 250VAC 16A / 125VDC 0.6A

HOW TO ORDER 77-10 SR05B

77-10	S	R	05	В
VALVE STYLE	BODY MATERIAL	SEAT MATERIAL	SIZE	HANDLE STYLE
77-10 77-20 77-30 77-40 77-50 77-5A 77-60 77-70	 ✓ S - CF8M W - WCB L - CF3M D - Duplex T - Titanium 	 P PTFE ✓ R R-TFE T TFM1600 S 50/50 S.S.+PTFE M MG1241 C Carbon filled PTFE U UHMWPE 	 ○ 01) 1/4" ○ 02) 3/8" ○ 03) 1/2" ○ 04) 3/4" ✓ 05) 1" ○ 06) 1 1/4" ○ 07) 1 1/2" ○ 08) 2" ○ 09) 2 1/2" ○ 10) 3" ○ 11) 4" 	 Standard handle I - Investment cast O - Oval handle L - SRSL handle S - SRS handle B - Bare shaft G - Gear box

Oslo \$ 22 21 51 00 | Bergen \$ 55 39 32 00 | Arendal \$ 37 06 11 40 ≥ post@jsc.no | ☆ www.jsc.no

