MP1N Series Data Sheet

SESTO VALVES
A Brand of Max-Air Technology.

Max-Air TECHNOLOGY

Multiport 1000 WOG

Industrial Ball Valve



PED ISO CE

Features:

- Stainless Steel Standard Port
- 1000 WOG Size Range 1/4" - 2"
- 800 WOG 2-1/2" - 4"
- NPT End Connections
- Live-loaded PTFE Packing
- ISO 5211 Direct Mount Pad
- Reinforced PTFE Seat Standard (RTFE)
- Working Temperature -13℉ to 356℉
- NACE MR0175, PED, CE Compliant

Certifications & Compliance

Testing: API 598
Design: MSS SP-110, ISO 5211
Markings: MSS SP-25
Compliance: PED, CE, NACE MR0175

End Connections



Threaded (NPT)

Cv Values & Torques

Standard Port

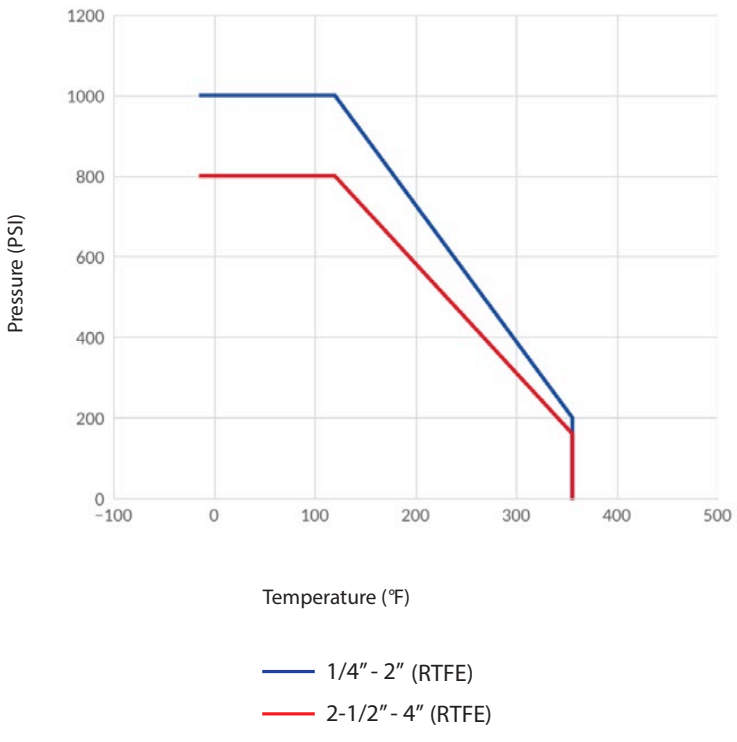
Size	Cv
1/4"	13
3/8"	13
1/2"	14
3/4"	18
1"	36
1-1/4"	45
1-1/2"	72
2"	119
2-1/2"	237
3"	370
4"	-

Torques (in-lbs)

Size	in/lbs
1/4"	71
3/8"	71
1/2"	89
3/4"	133
1"	177
1-1/4"	266
1-1/2"	398
2"	443
2-1/2"	708
3"	974
4"	1151

*Raw torques shown. Minimum 30% safety factor should be added for actuator sizing. Please see Actuator sizing guidelines for details.

Pressure Temperature Chart



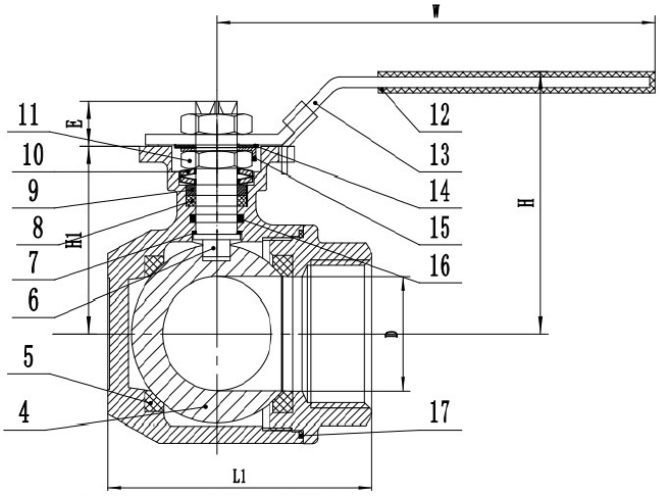
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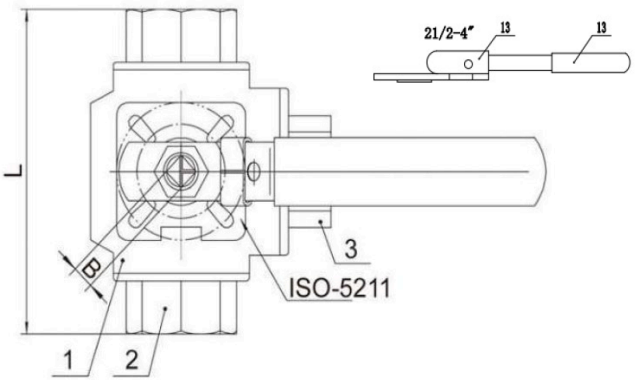
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Bill of Materials

#	DESCRIPTION	MATERIALS
1	Body	CF8M
2	Cap (1)	CF8M
3	Cap (2)	CF8M
4	Ball	CF8M
5	Ball Seat	RTFE
6	Stem	316SS
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Ring	304SS
10	Spring Washer	304SS
11	Nut	304SS
12	Handle Cover	PVC
13	Handle	304SS
14	Washer	304SS
15	Thrust Washer	304SS
16	Stem O-Ring	VITON
17	Body Seal	PTFE





Standard Dimensions (in)

Size	ØD	W	L	L1	H	B	E	ISO 5211	H1	WEIGHT
in	in	in	in	in	in	in	in		in	lb
1/4"	0.35	5.63	3.11	2.52	2.99	0.354	0.35	F04/03	1.654	1.5
3/8"	0.43	5.63	3.11	2.52	2.99	0.354	0.35	F04/03	1.654	1.5
1/2"	0.49	5.63	3.11	2.52	2.99	0.354	0.35	F04/03	1.654	1.5
3/4"	0.63	5.63	3.27	2.68	3.15	0.354	0.35	F04/03	1.929	2.1
1"	0.79	6.42	4.02	3.23	3.74	0.433	0.43	F05/04	2.343	3.4
1-1/4"	0.98	6.42	4.72	3.54	3.86	0.433	0.43	F05/04	2.480	4.9
1-1/2"	1.26	7.40	4.96	4.21	4.33	0.551	0.55	F07/05	2.894	7.3
2"	1.50	7.40	5.91	4.88	4.69	0.551	0.55	F07/05	3.260	11.4
2-1/2"	1.89	13.50	6.61	5.31	5.31	0.669	0.61	F07/10	4.075	15.4
3"	2.56	13.50	7.80	6.54	5.91	0.669	0.79	F07/10	4.646	26.4
4"	2.95	13.78	9.92	8.15	6.34	0.669	1.10	F07/10	5.118	41.8

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MP1N Series Part # Builder

A - Figure	-	B- Size	-	C - Body	D - Trim	E - Type	F - Seat	-	G - Operator	-	H - Special
MP1N	-	0M	-	S	6	T	R	-	L	-	-

Example Part # MP1N-0M-S6TR-L

EXAMPLE DESCRIPTION: 1/2" SESTO SERIES MP1N 3-WAY FLOATING BALL VALVE, (T-PORT) 1000 WOG, NPT, ASTM A351 CF8M BODY, BALL AND STEM, RTFE SEAT, 4-SEAT DESIGN, ISO DIRECT MOUNT PAD, LOCKING LEVER HANDLE

A - FIGURE	B - SIZE		C - BODY
MP1N - *3-WAY 1000WOG CF8M NPT THREADED STANDARD PORT BALL VALVE*	*0Q - 1/4"* *0R - 3/8"* *0M - 1/2"* *0T - 3/4"* *01 - 1"* *1Q - 1-1/4"*	*1M - 1-1/2"* *02 - 2"* *2M - 2-1/2"* *03 - 3"* *04 - 4"*	*S - ASTM A351 CF8M*

D - TRIM	E - TYPE	F - SEATS	G - OPERATOR	H - SPECIAL
6 - CF8M BALL / 316 SS STEM	*T - T-PORT* *L - L-PORT*	*R - RTFE*	*L - LOCKING LEVER* *9 - SPECIAL*	*CONSULT FACTORY*

*Note: 1) Not all combinations available, and special solutions not shown are possible. Please call factory for details. 2) Max-Air Technology reserves the right to change or modify products without prior notice & without incurring any obligation to make such changes on products previously or subsequently sold.