



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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Info@Mason-Ind.com Info@MasonAnaheim.com

Installation Instructions

For MT Air Springs

DATE: 3-17-04

DRAWING NO. A-28428

1. Block equipment base up 7/8" (22mm) off the floor.
2. Slide MT air spring mounts under the equipment base with the 1/4" NPT threaded nipple at the bottom facing out. Bolt to the equipment base.
3. See drawing A-16010-2 for the typical layout of the leveling valves. Leveling valve # 1 must be attached to the equipment so the black air supply and exhaust lever is perpendicular to the length of the equipment while leveling valves # 2 & 3 must have the black levers parallel to the length of the equipment.
4. Attach the valves to the equipment base with miscellaneous steel as required. Valves must be attached to the floor and equipment base. (See drawing S-302) Install the valves so the black air supply and exhaust lever is 1/4" (6mm) above level when it attaches to the turnbuckles.
5. Attach piping as shown on A-16010-2.
6. Open air and check for leaks.
7. The equipment should have risen 1/4" (6mm) off the blocking. If not, increase the length of the turnbuckle on the leveling mount connected to that mount.
8. Check the equipment for level and adjust as required by turning the turnbuckles. Increasing the length of the turnbuckles raises the equipment.
9. After the equipment is level, turn down the locknut on the turnbuckle to hold the adjustment.
10. Install downstops if provided.

DWN: JT

CHKD:

DATE: 3-17-04

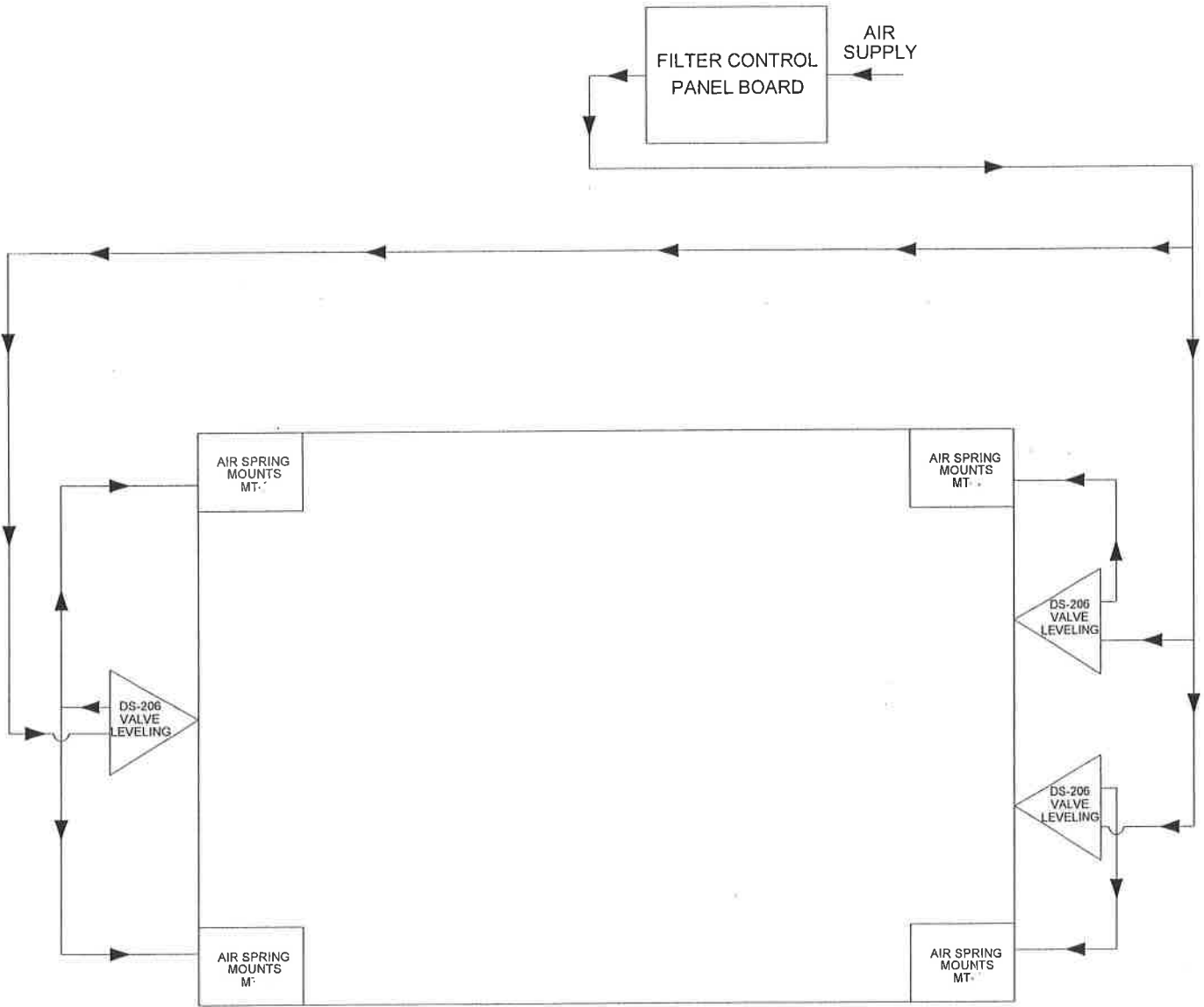


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JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M.I. _____ DWG. NO. _____
NO. REQ. _____ TAG(S) _____

TYPE
MT
AIR
DIAGRAM



10/2010

DWN: RCL

CHKD:

DATE:

DWG. NO.



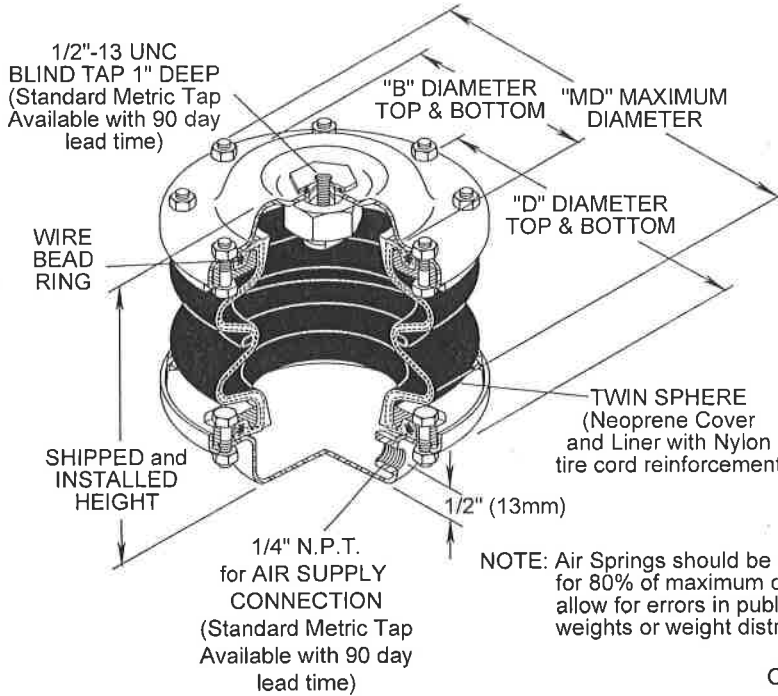
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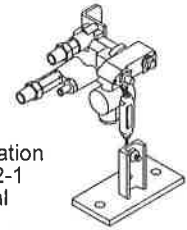
JOB NAME _____
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MT

TWIN SPHERE
AIR SPRINGS

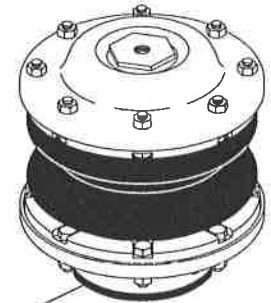


All Air Spring Systems must be installed with Leveling Valves and Air Supply Systems.



See Certification Sheet S-302-1 for additional information

CAUTION: Never inflate Air Springs prior to installation.



OPTIONAL 1/4" (6mm) FRICTION PAD ON BOTTOM

NOTE: Frequency based on shape of load deflection curve

NOTE: Air Springs should be selected for 80% of maximum capacity to allow for errors in published weights or weight distribution.

TYPE MT DIMENSIONS (inches)

Size	Shipped & Installed Height	B	D	MD
MT-3	7 1/4	3 3/4	6	6 1/2
MT-4	7 1/4	4 3/4	7 1/4	7 3/4
MT-6	7 1/4	7	9 3/4	10 1/2
MT-8	7 1/4	8 7/8	12	12 1/2

TYPE MT RATINGS

Size	Min Load @ 10 psi (lbs)	Max Recommended Load @ 80 psi (lbs)	Max Load @ 100 psi (lbs)	Approximate Frequency CPM Hertz
MT-3	138	1100	1375	138 2.3
MT-4	215	1720	2150	120 2.0
MT-6	470	3760	4700	108 1.8
MT-8	848	6780	8475	102 1.8

TYPE MT DIMENSIONS (mm)

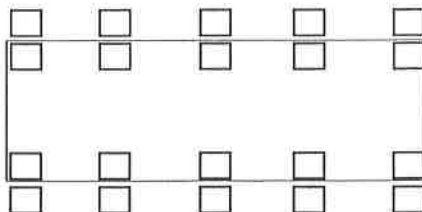
Size	Shipped & Installed Height	B	D	MD
MT-3	184	95	152	165
MT-4	184	121	184	197
MT-6	184	178	248	267
MT-8	184	225	305	318

TYPE MT METRIC RATINGS

Size	Min. Load @ 0.7kg/cm ² (kgs)	Max. Recommended Load @ 5.6kg/cm ² (kgs)	Max Load @ 7kg/cm ² (kgs)	Approximate Frequency CPM Hertz
MT-3	63	500	625	138 2.3
MT-4	98	781	977	120 2.0
MT-6	214	1708	2136	108 1.8
MT-8	386	3081	3852	102 1.8

PLAN VIEW OF MOUNT LOCATIONS

TAG : _____
 UNIT : _____



1 :	6 :
2 :	7 :
3 :	8 :
4 :	9 :
5 :	10 :
Sets Required:	

Certification Form S-301 04/2009

DWN:

CHKD:

DATE:

DWG. No.



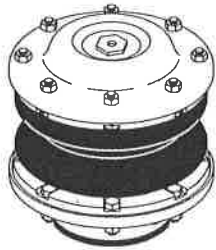
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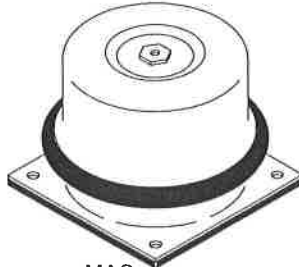
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LEVELING VALVE AIR SPRING ASSEMBLY

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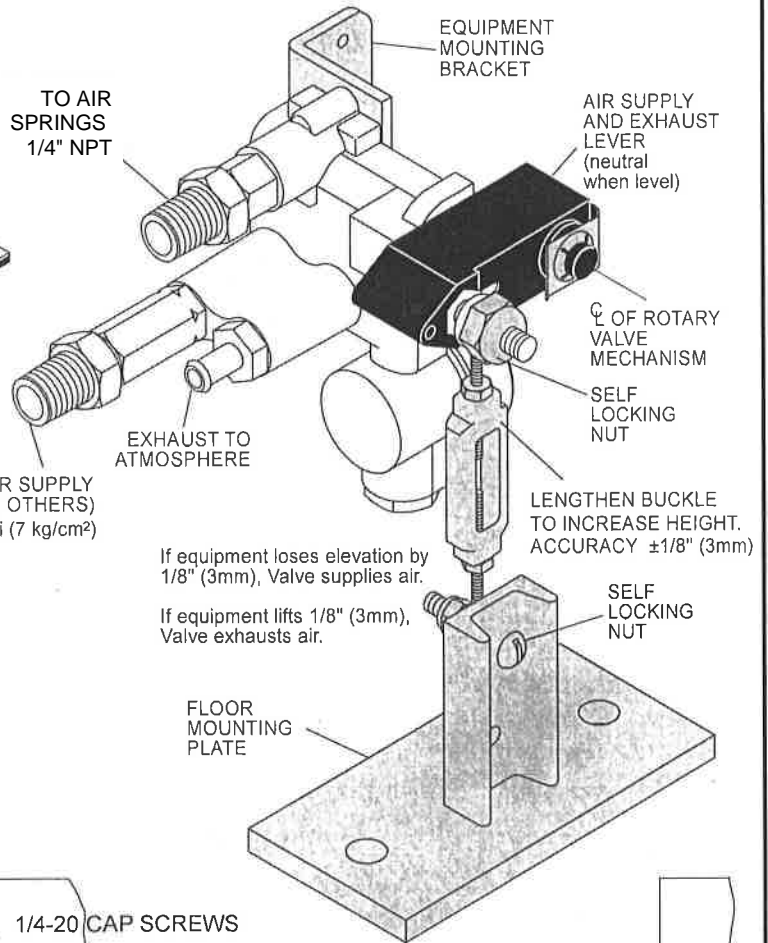
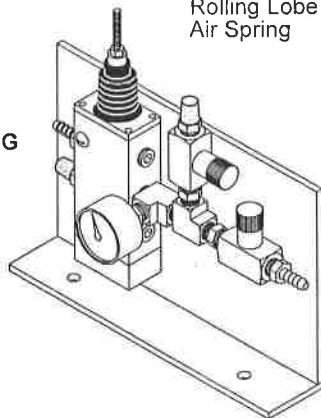


MT
Twin Sphere
Air Spring



MAS
Rolling Lobe
Air Spring

MICRO
LEVELING
SYSTEM
VALVE



See Cert Sheets S-300, S-301, S-303
 S-278 & S-279 For Additional Information

