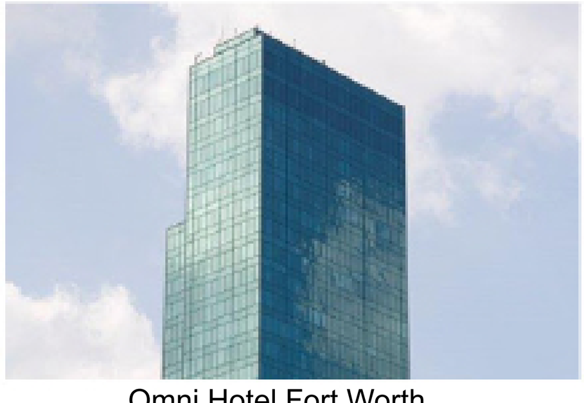
MASON-DALLAS .INC NEWSLETTER
THE VIBE OF DIAMONDS

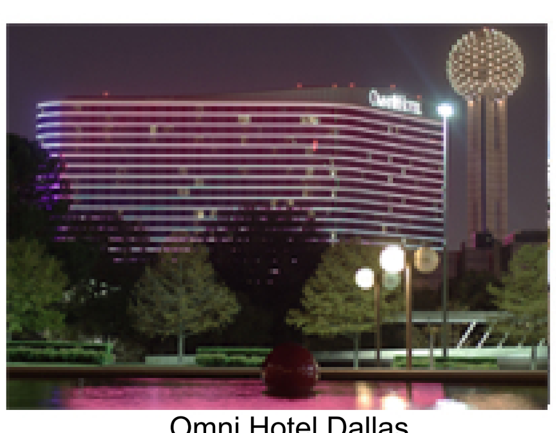
JULY 2017 HVAC EDITION

39th ANNIVERSARY 1978-2017

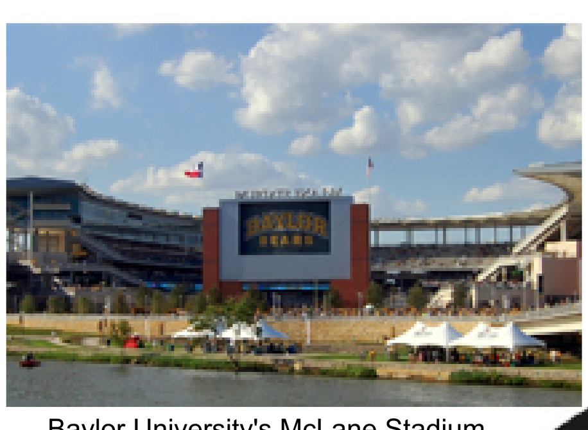
- WHY do we have the reputation of being the #1 Vibration Control Experts in the region?
  - ✦ 120 years of combined experience in the field of vibration & noise control.
  - ✦ Unparalleled service, knowledge and "our word is our bond" attitude.

- Since 1978 WE SUPPLIED OUR PRODUCTS ON MOST OF THE PREMIER PROJECTS IN THE REGION. A FEW ARE SHOWN BELOW.


Omni Hotel Fort Worth
Provided Vibration/Noise Control Products


Omni Hotel Dallas
Provided Vibration/Noise Control Products


Radio Shack Headquarters
Provided Vibration/Noise Control Products


Baylor University's McLane Stadium
Provided Vibration/Noise Control Products

PLEASE, DON'T FLUSH THAT TOILET!

The other evening, we were at the office finishing up a meeting and the subject arose: *What was the strangest isolation application we ever had?*

The project that came to mind was the Myerson Concert Hall in Dallas. We had provided isolated ceilings and floating floors for noise control, isolated the HVAC and electrical equipment, and there it was only one issue remaining: one floor-mounted commode (toilet). The restroom was located on the second floor about 10 feet from a door into the main hall.

This situation was a first for us because the consultant had specified the commode to be installed on a rubber pad. Wanting to fulfill his specs, that was what we were going to do.

The first question that came to mind was how to mount a porcelain commode on a rubber pad without causing the porcelain to break when tightening the bolts. Our other concern was whether the weight of someone sitting on the commode might cause the pad to slightly compress, which could lead the commode to break.

It was an obvious case of doing business to protect the commode while someone is doing his or her... business.

After much thought, we decided to furnish a steel plate glued to the top of the pad. The commode would rest against the steel plate, which would keep the commode from breaking. We went to the project site and saw the exact commode to be installed on our pad. We created a template by placing the commode on a piece of cardboard and traced the perimeter of the bottom surface. We next cut a steel plate and rubber pad to match the template, and then shipped the assembly of plate and pad to the jobsite.

Once installed, we received a frantic call from the plumbing contractor exclaiming, "The bowl moves when you sit on it. It's not supposed to move. You screwed up!" It's a known fact: Plumbers don't like things that move; they like to bolt things solid to the structure without any movement at all. "There has to be something wrong!" he exclaimed.

We went for a jobsite meeting, held, where else, in the second-floor restroom. It was hilarious, with everyone taking turns sitting on the commode and feeling it move slightly. The consultant that specified the pad was present, so we explained to everyone that if the pad didn't flex under load, it wasn't working. It needed to be flexible and have a cushioning effect. After much discussion, we all agreed the installation was correct per specification and the meeting was adjourned.

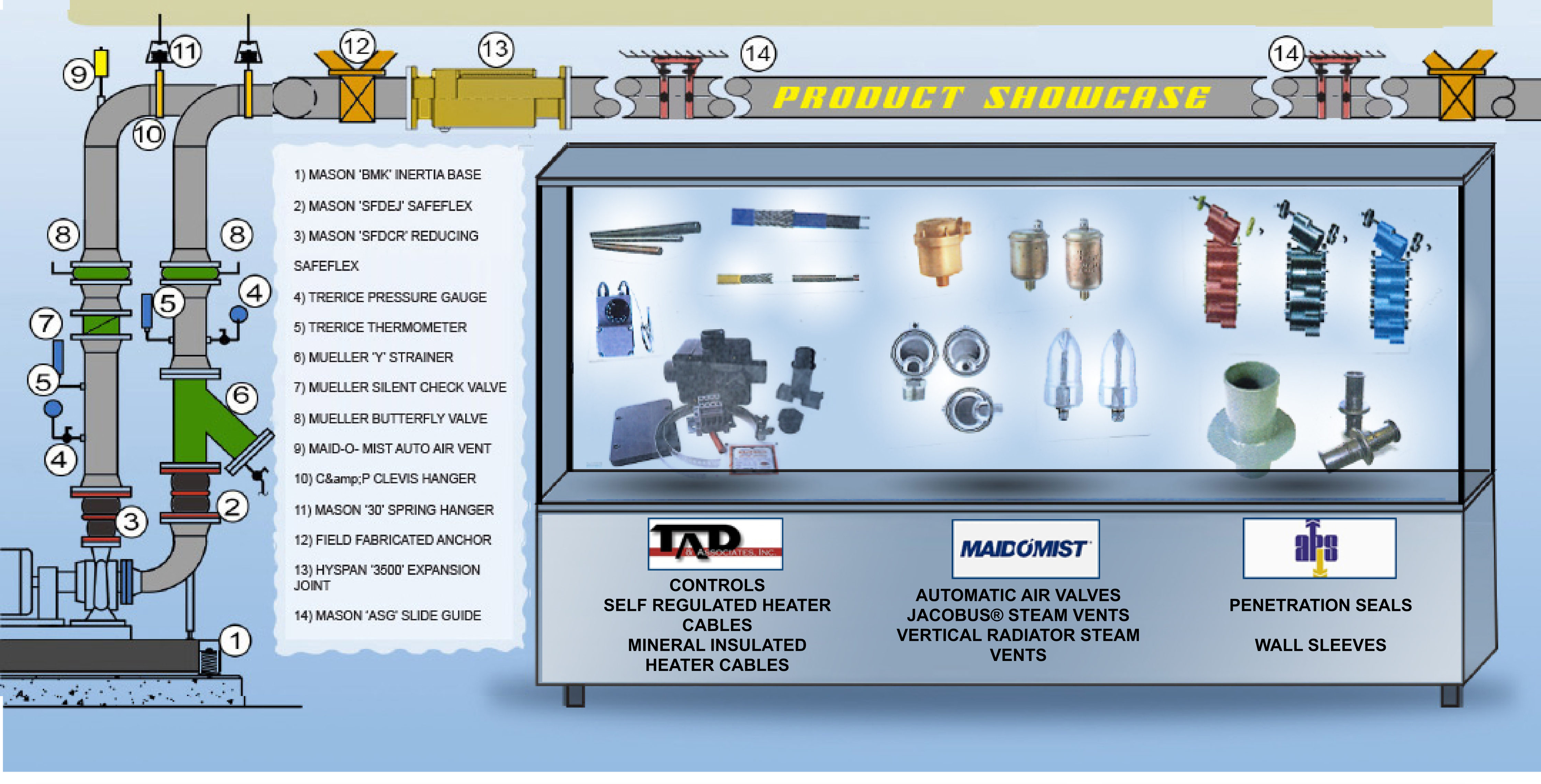
Some weeks later, Dallas Mayor Annette Strauss was presiding over the opening ceremony. In attendance were the Who's Who of Dallas. (Phil figured he didn't get an invitation because he lives on the Fort Worth side of the Metroplex!)

He was listening to the ceremony on the radio and the only thing that came to mind was that toilet. All he could think of was the Archie Bunker television series, *All in the Family*. Every time someone flushed the upstairs toilet in that series, it could clearly be heard throughout the house.

Phil had a single thought during the ceremony: Someone was going to flush that commode and everyone in the hall would hear it. He kept saying to himself, "Please don't flush that toilet!"

Well, the ceremony went off without hearing a flush, so we added "toilet isolation" to our resume.

If you have a noise or vibration problem – whether with a toilet or a large piece of mechanical/electric equipment-- we're the people to call. We have isolated everything from a building to a commode. Give us a call at 817-267-8651 and we would be pleased to assist you. Make Mason-Dallas ***YOUR FIRST CALL!***



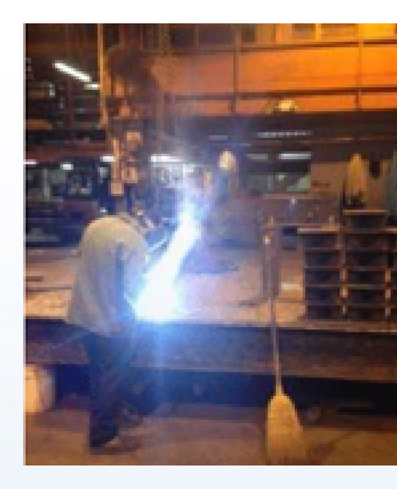
MANUFACTURER'S CORNER

MASON INDUSTRIES, INC

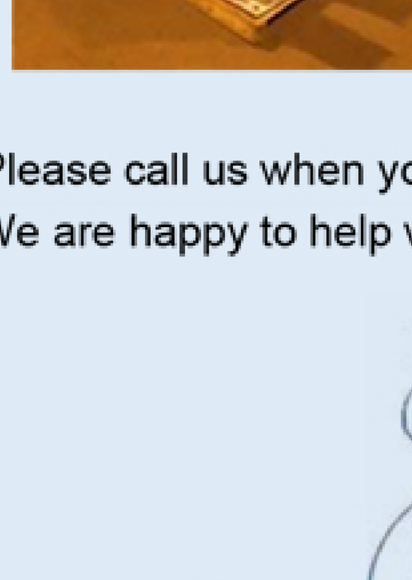
REALLY BIG SLR MOUNTS

We recently completed an order for 24 seismically restrained isolators that will support a 258,000 lb. cooling tower at a new computer chip facility in the Northwest (We are prohibited from sharing the name or exact location). The isolator springs were selected for 4″ static deflection and each housing is constructed to withstand a 29,000 lbs.lateral or vertical seismic force. As with all computer facilities, construction was fast paced, and they needed these isolators right away. They decided to challenge us further by placing the order with our representative right before Thanksgiving! Once again, our shop performed miracles and they arrived on site shortly after the holidays with time to spare.


Chain hoists were required to maneuver these monsters into position for welding. Completed isolators weighed more than 400 lbs. each.


Welding internal spring spacers.


This photo provides a good view of the six stanchions that had to be fabricated with 1-1/2" plate to resist the code prescribed seismic forces.



The photo on the left shows 6 of the smaller mounts in the set fully assembled and ready for shipment.The internal spring spacers, indicated with the big red arrow, were required to build up the smaller capacity 165 springs (10,800 lb.capacity) into the larger SLR-168 (22,900 lb. capacity) housing so all the assemblies were the same height. This saves the contractor the work of building spacers in the field.


12 lb. Capacity, 1" deflection spring.

Please call us when you need really big isolators in a hurry!
We are happy to help with really small isolators too!

Best Regards,

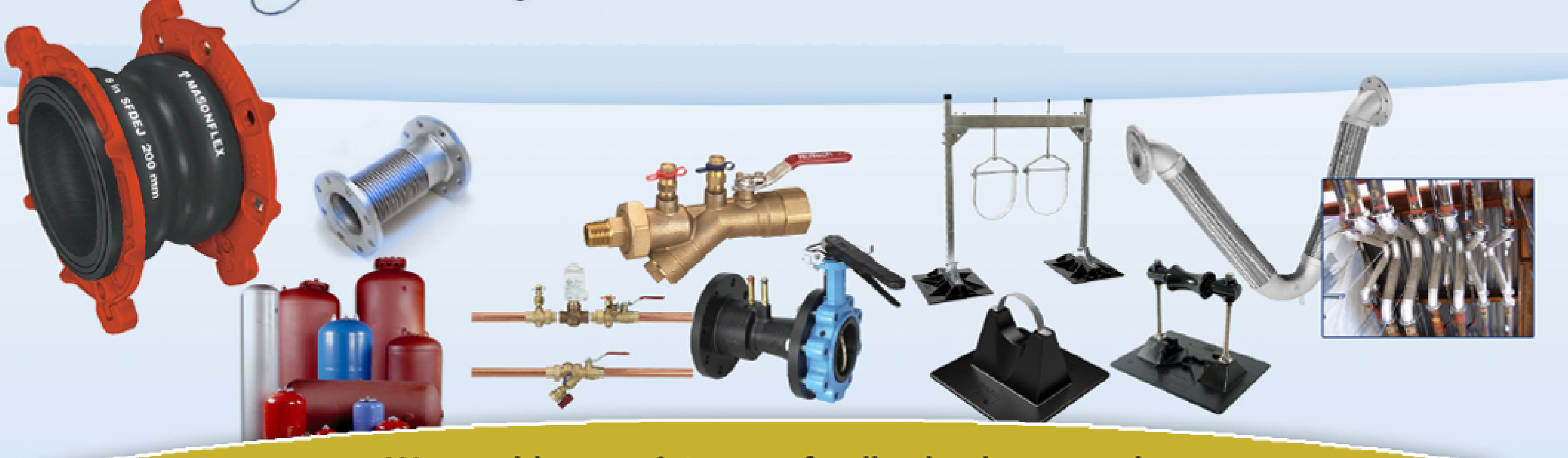
Jim Sadler
National Sales Manager

HUMOR

FAMOUS QUOTATIONS

Good Enough is rarely good, and it is never great. Be great.

-Author Unknown



We would appreciate your feedback, please send
Your comments to: Magen_brown@mason-dallas.com