

SUPER FLEX EXPANSION JOINTS

The SUPERFLEX elastomer was changed from Neoprene to EPDM as most applications are for water service. EPDM is superior to Neoprene in minimizing water swell and resistance to oxygen and ozone aging is outstanding. High temperature tolerance is much better as well.

All lengths were shortened to save space. The steel ring between the twin spheres prevented bulging, allowed for higher pressure ratings, reduced elongation and a higher range of pressures could be accommodated without the use of control rods.

The threaded union ends of the 3/4" (19mm) to 2" (50mm) diameter MFTFU were changed to three bolt flanges that could be supplied with fittings for copper tubing, stainless steel or PVC as well as standard pipe thread. This interchangeability of fittings was unknown in the industry and no other firm offers these options. The bolted flanged ends made installation both easier and more positive

By changing to this ductile flange construction in the 3/4" (19mm) to 2" (50mm) sizes, we were able to increase the O.D. of the rubber flange that establishes the seal. This eliminated the pullout problems still so common to our competitors that continue to use cheap standard female unions. This change in end design has been widely copied because the engineering is so obviously better.

The SUPERFLEX series also included concentric reducers in all the popular sizes 3" (75mm) through 10" (250mm). This was the first such spherical connector and it continues to be something only available from Mason Industries. The molds are extremely expensive, and the product very difficult to build so our competitors have let that one slide by.



MFTFU

MFNC

MFTNC

MFTNC-HE

SPECIFICATION

Offset shall be accomplished by the angular motion of a double sphere expansion joint bolted to each end of an intermediate steel pipe. Bracket each expansion joint with hinged steel connections. Hinges shall have a pin in a slot on both sides.

The piping on each end of the assembly must be securely anchored to accept a thrust of 1.5 times the operating pressure multiplied by the projected area of the pipe.

Specifications for the expansion joints shall be as Mason Industries Super flex MFTNC. The complete hinged assembly, Super flex MFTNC-HE at manufactured by Mason Industries Inc.

