# Inline Seismic Expansion Joint:

1. General:
2. Provide Inline seismic expansion joints as indicated on the contract drawings or as required to accommodate any seismic or building movement of the piping system.
3. Seismic joints to utilize both externally pressurized bellows and gimbal joints to achieve movement.
4. All joints to be provided with drain connection and lifting lug.
5. All materials of construction, pressure ratings, and end fittings shall be appropriate for the application. Guiding and anchoring per EJMA recommendations and guidelines

2. Products.

1. Manufacturer: Expansion joints shall be **“Seismic Gator”** as manufactured by The Metraflex Company®, Chicago, IL.
2. Seismic joints shall conform to ASTM F-2934.

C. Performance: Expansion joints shall be pressure rated for 150 psi @ 500⁰ F

D. Test pressure for 150 PSI joints shall be 225 PSI at 70⁰ F.

E. Movement capabilities for single joints shall be +- 4” in X, Y, and Z planes.

F. End connections shall be fixed carbon steel plate flange one end, floating carbon steel plate flange other end.

3. Execution

A. Anchoring: Seismic Gator will develop inline bellows anchor loads that must be properly restrained. Anchors shall be used in place of first seismic bracing.

B. Drain: Expansion joint shall be installed so that the drain connection is on the low end of the joint.

C. Installation shall be in accordance with manufacturers printed instructions.

Product Specifications