

METRALOOP™ EXPANSION JOINT

SEISMIC MOVEMENT

INSTALLATION INSTRUCTIONS

INSTALLATION: The MetraLoop™ can be installed in any orientation with the pipe vertical, horizontal or any angle in-between. The only critical element is that the 180 degree return bend must be free to move as the MetraLoop™ moves

Steam applications: ideally the MetraLoop™ should be installed horizontally to minimize the entrapment of condensate.

Shipping bar must be removed after installation.

The 180 support should be designed with enough slack to allow the 180 to move 100% of the loop's designed movement. For example a loop designed for ± 4 inches of seismic movement will see the 180 return bend move ± 4 inches.

Combination movement: Thermal and Seismic. Use the guidelines for both movements.

Guiding Requirements: Seismic Movement – When spanning a building's seismic expansion joint, guides are not required.

WARNING: Steam condensate, when allowed to collect, can create potentially hazardous operating conditions. Steam condensate must be allowed to drain to a location where it can be removed from the system. The MetraLoop™ must be oriented at installation so that steam condensate drains from the MetraLoop™ and does not collect in the MetraLoop™. Questions regarding orientation must be determined by the authority having responsibility for the piping system.

CUSTOMER _____

PROJECT _____

ENGINEER _____

ARCHITECT _____

PRO. OR P.O. NO. _____

Metraflex.
for pipes in motion

DESCRIPTION:

**METRALOOP EXPANSION JOINT
SEISMIC MOVEMENT**

Installation Instructions

DRAWING BY:
JT

DATE:
08-15-06

DRAWING NO.
LOOP SMC-INS