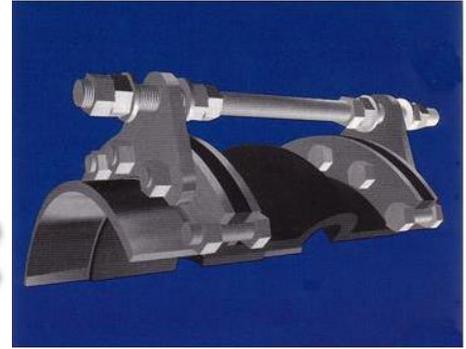


Control Unit Assemblies



LIMITING ASSEMBLY

This control unit will allow an expansion joint to expand to a predetermined extension setting. Nuts shall be field set to no more than the maximum allowable extension movement of a rubber expansion joint.



CONTROL ASSEMBLY

This control unit will allow an expansion joint to expand or compress to a predetermined setting. Nuts shall be field set to no more than the maximum allowable extension and compression movement of a

CONTROL UNITS

Excessive elongation, caused by shifting of pipe lines, may seriously damage rubber expansion joints. This damage can occur when; necessary support is not provided for the weight of the pipe line, low temperatures in the line are encountered, the lines on the pressure side of air compressors are not anchored properly. Such destructive elongation can be controlled with Morrill Industries Control Units. These units are recommended for use where such conditions occur, such as on air-conditioning units that are subjected to reduced temperatures.

In general, control units are always recommended as an additional safety factor, preventing damage to the connector and associated equipment. Our experts will recommend the units appropriate for your installation.

1. Clean all foreign matter and remove burrs or sharp edges from flanges.
2. All pipe lines should be properly supported, so that the expansion joints do not carry the pipe load.
3. Do not install joints on raised face flanges of more than 1/16".
4. All pipes are to be lined up accurately before installing expansion joints. Offset joints should not be installed where misalignment is greater than the lateral movement allowed by joint construction.
5. Paint flange face with a mixture of ordinary graphite mixed with enough glycerin to form a thin paste. This will assist removal if it should become necessary.
6. Bolts should be on the inside of the joint flange. Metal washer must be placed at the facing of the split retaining rings.
7. Bolts should be tightened by alternating around the flange and all tightened equally.
8. Slight gouges or abraded areas caused by tools or bolts during installation should be sealed with rubber cement and painted to prevent deterioration of the carcass.
9. Bolt tightness should be checked one week after going on stream and checked periodically thereafter.
10. Joints installed outdoors should have neoprene cover. All joints should be painted with Hypalon paint.

Installation Note for Expansion Joints:

Always install expansion joints to neutral length dimensions. Make sure mating flanges are Flat-Face Type. When attaching beaded end expansion joints to raised face flanges, the use of a ring gasket are required to prevent metal flange faced from cutting the rubber bead during installation. **Care must be taken when pushing the joint into breach between mating flanges so as not to roll the leading edge of the joint out of its flange groove.** Joint must be precompressed approximately 1/8" to 3/16" in order to obtain a correct installed face-to-face dimension.

