

RECOMMENDED INSTALLATION INSTRUCTIONS

STANDARDS OF THE EXPANSION JOINT MANUFACTURERS ASSOCIATION 10th EDITION

Metal bellows expansion joints have been designed to absorb a specified amount of movement by flexing of the thingauge convolutions. If proper care is not taken during installation, it may reduce the cycle life and the pressure capacity of the expansion joints which could result in an early failure of the bellows element or damage the piping system.

The following recommendations are included to avoid the most common errors that occur during installation. When in doubt about an installation procedure, contact the manufacturer for clarification before attempting to install the expansion joint. The manufacturer's warranty may be void if improper installation procedures have been used.

Do	Don't
Inspect for damages during shipment, i.e., dents,	Do not drop or strike carton.
broken hardware, water marks on carton, etc. Store in clean dry area where it will not be exposed to	Do not remove shipping bars until installation is complete.
heavy traffic or damaging environment.	Do not remove any moisture-absorbing desiccant bags or protective coatings until ready for installation.
Use only designated lifting lugs. Make the piping systems fit the expansion joint. By	Do not use hanger lugs as lifting lugs without approval of manufacturer.
stretching, compressing, or offsetting the joint to fit the piping, it may be overstressed when the system is in	Do not use chains or any lifting device directly on the bellows or bellows cover.
service. It is good practice to leave one flange loose until the expansion joint has been fitted into position. Make necessary adjustment of loose flange before welding.	Do not allow weld splatter to hit unprotected bellows. Protect with wet chloride-free insulation.
	Do not use cleaning agents that contain chlorides.
	Do not use steel wool or wire brushes on bellows.
Install joint with arrow pointing in the direction of flow. Install single Van Stone liners pointing in the direction of flow. Be sure to install a gasket between the liner and	Do not force-rotate one end of an expansion joint for alignment of bolt holes. Ordinary bellows are not capable of absorbing torque.
Van Stone flange as well as between the mating flange and liner.	Do not hydrostatic pressure test or evacuate the system before installation of all guides and anchors.
With telescoping Van Stone liners, install the smallest	Pipe hangers are not adequate guides.
I.D. liner pointing in the direction of flow.	Do not exceed a pressure test of 1 1/2 times the rated working pressure of the expansion joint.
Remove all shipping devices after the installation is complete and before any pressure test of the fully installed system.	Do not use shipping bars to retain thrust if tested prior to installation.
Remove any foreign material that may have become lodged between the convolutions.	
Refer to EJMA Standards for proper guide spacing and anchor recommended.	

