

Rectangular

MRU, MRW & MRV series

Rectangular Expansion Joints are generally designed for low positive pressure and vacuum applications in the power, chemical, petrochemical, and steel industries.

Due to the fact that there are no standard dimensions for rectangular pipes each rectangular expansion joint is custom designed.

Regardless of accessories, such as tie rods, hinges, liners, covers, etc. these models absorb all the movements in any one length of piping but are mainly used to absorb axial movements.

Like circular expansion joints, unrestrained units do not contain pressure thrust so adequate anchors and guides must be provided and they can be used only in piping systems that incorporate correctly designed anchors and pipe alignment guides.



MRU

Rectangular expansion joint with U-shaped convolutions and round corner.

One or more convolutions for low and medium pressures and full vacuum services.

The connection elements are available either with flanges or welding ends.



MRW

Rectangular expansion joint with V-shaped convolutions and camera corner.

This model is characterized by the shape of its corner camera type and the V-shaped convolution. It is very flexible and used in low pressure and vacuum conditions systems. The connection elements are available either with flanges or welding ends.



MRV

Rectangular expansion joint with V-shaped convolutions and miter corner.

This model is characterized by the shape of its miter type corner and its V-shaped convolution. The corner can be either single or double. The connection elements are available either with flanges or welding ends.

Features

TYPE	SERIES			
Rectangular	MRU, MRW, MRV			
PRESSURE THRUST RESTRAINT	MOVEMENTS			
✘	Axial	✔		
	Lateral	Single-plane	Limited use. Lateral movements may be absorbed with a twin bellows design	Must be properly guided Requires main and directional anchors
		Multi-plane		
	Angular	Single-plane	Limited use. Some angular movement can be absorbed providing a specific design	
		Multi-plane		

Sample images

