



Vibration Dampener

OVERVIEW

Bellows are used to isolate vibration from one end of the bellows to the other while sealing hermetically. With custom mounting and sizing available, edge welded bellows create an all-metal conduit to minimize or eliminate the effects of vibration from one point in a system to another. Edge welded bellows technology allows for high pressure and temperature applications.



SPECIFICATIONS

Material	Stainless Steels, Alloys, & Titanium available. Consult Factory.
Thickness	From 0.002" and up every 0.001"
Standard Leak Rate	From $<1 \times 10^{-9}$ std CC He/sec (check material)
Size Ranges	
Outside Diameter	0.358" (9.0932mm) to 22.205" (564mm)
Inside Diameter	0.198" (5.029mm) to 19.921" (505.99mm)
Shapes	Round; Non-Round avail. Contact Factory
Length	Up to 96" (244 cm)

TYPICAL INDUSTRIES

Semiconductor

Cryogenic

Oil and Gas

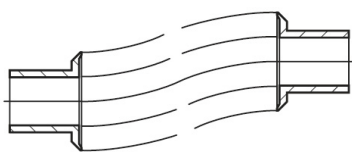
BENEFITS

Cost Effective

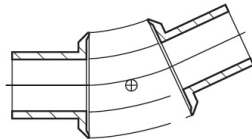
Custom Configurations

High Cycle Life

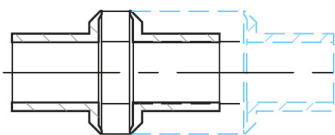
Outlines



Lateral Offset



Angular Offset



Axial Compression and Extension

Why Choose Edge Welded Bellows?

Of the three major metal bellows technologies, edge welded metal bellows have the highest stroke length, reaching 90% of its free length. This flexibility allows for increased expansion and contraction of the bellows. Edge welded bellows can be exposed to extreme temperatures and media with a wide selection of materials. Both the inside and outside of the bellows can be exposed liquids and gases. Edge welded metal bellows also have a high cycle life to produce repeatable results and round or square shapes.