PRECISION PRODUCT LINE / FLEXIBLE PIPE CONNECTIONS

Rubber expansion joints.

Flexible connections for movement and vibration in industrial piping.

MOVEMENT / VIBRATION / ELASTOMER OPTIONS



01

Manage movement

Compression, extension, lateral and angular movement. Share the expected motion with your RFQ.

02

Reduce vibration

Rubber construction helps dampen vibration and sound transmission. Tell us where the joint will be installed.

03

Match the material

Select elastomers for the media and temperature. Include the fluid name and operating conditions in your inquiry.

Materials and connection options.

EPDM, neoprene, nitrile, butyl, chlorobutyl, Hypalon®, Viton® and natural rubber.
Flanged and threaded styles; selected custom constructions.
Overall catalog range: 1/2 to 120 in., style-dependent.

Send your application details. Request a quote from Vital Hose.

JOINT STYLES & QUOTATION GUIDE

Select the joint. Define the system.

Start with the connection style, dimensions and operating duty.

STYLE	SIZE RANGE (IN.)	CATALOG CONFIGURATION
SA / single arch	1 to 24	Single arch with floating metal flanges.
DA / dual arch	1 to 24	Dual arch with floating flanges.
ST / STF	2 to 24	Spool type; open or filled arch.
WA / WAF	2 to 36	Wide arch; open or filled arch.
TU / union	1/2 to 3	Threaded female union connections.

Sizes shown are catalog table ranges. Confirm custom dimensions and final configuration.

Restraints and operating limits matter.

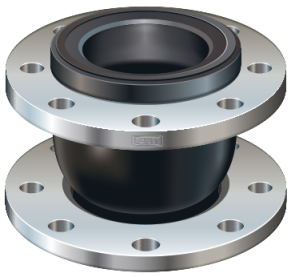
Control units are required when adequate anchoring is unavailable. LR limits extension; CR/CS also limit compression. Confirm temperature derating and combined movements. Filled-arch designs change movement capacity and spring rate.

Replacing an existing joint?

Send photographs, tag information and a dimensioned sketch. Include operating duty and details of both mating connections.

Specifying a new installation?

Provide the drawing, movement requirements, restraint arrangement and documentation needs with your RFQ.



Single-arch flanged joint

Request a tailored quote.

Send Vital Hose a part number, drawing or these details:

Media · Pressure / vacuum · Temperature
Diameter · Face-to-face · Flange / thread details
Movement · Anchors / restraints
Quantity · Required tests / documentation

Final selection requires application review. Confirm fit, operating limits and installation requirements before ordering.