



ULTRA-SPHERE
Series 301
EPDM
Single Sphere
Connector

Construction, Materials:

Body Elastomer: EPDM
Reinforcing: Nylon & Steel
Flanges: Rotating Steel, 150#

Maximum* Operating

Temperature: 250° F. Blower Svc
 212° F. Pressure Svc

Vacuum Rating: 26 In. Hg.

Sealing Information: When installing rubber expansion joints, it is the responsibility of the installer to ensure bolting forces are evenly distributed to provide optimum clamping force to prevent the connection from leaking. When the expansion joint is being installed in non-ferrous piping systems, such as PVC, reinforcement of the mating flanges may be required to increase the mating flange rigidity. Unisource recommends the use of ring gaskets or full face gaskets when a rubber expansion joint is being installed against a raised face flange. The use of ring gaskets or full face gaskets may be required when installing PTFE lined expansion joints. If you should have any questions pertaining to the installation, please call Unisource or refer to the Fluid Sealing Association Technical Handbook for Non-Metallic Expansion Joints.

Are Control Units Specified?:

Qty	Size (Inches)	Face to Face (Inches)	Flange Thick (Inches)	No. of Holes	Hole Size (Inches)	Movement Ratings				* Oper Press (PSIG)	Wght (Lbs)
						Axial Comp (Inches)	Axial Elong (Inches)	Lateral Deflect (Inches)	Angular Deflect (Deg)		
	1-1/2	6	1/2	4	1/2	1/2	3/8	1/2	15	225	6.0
	2	6	5/8	4	3/4	1/2	3/8	1/2	15	225	9.0
	2-1/2	6	11/16	4	3/4	1/2	3/8	1/2	15	225	12.0
	3	6	11/16	4	3/4	1/2	3/8	1/2	15	225	14.0
	4	6	11/16	8	3/4	5/8	3/8	1/2	15	225	18.0
	5	6	13/16	8	7/8	5/8	3/8	1/2	15	225	23.0
	6	6	7/8	8	7/8	5/8	3/8	1/2	15	225	27.0
	8	6	7/8	8	7/8	5/8	3/8	1/2	15	225	41.0
	10	8	15/16	12	1	5/8	1/2	3/4	15	225	57.0
	12	8	15/16	12	1	3/4	1/2	3/4	15	225	83.0
	14	8	1	12	1	3/4	1/2	3/4	15	115	115.0
	16	8	1-1/8	16	1	3/4	1/2	3/4	15	115	165.0
	18	8	1-3/16	16	1-1/8	3/4	1/2	3/4	15	115	167.0
	20	8	1-3/16	20	1-1/8	3/4	1/2	3/4	15	115	168.0

* Operating pressures are rated up to 125° F. Contact Unisource for pressure ratings at higher temperatures. Metal connectors may be required in combination high pressure/high temperature applications.

Customer: _____
 Project: _____
 Engineer: _____
 PO#: _____



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4/28/2015