



**ULTRA
SPHERE
Series 302
Double Sphere
Expansion Joint**

Construction, Materials:

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

Maximum* Operating

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

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?: Yes No

Vacuum Rating: 26 In. Hg.

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	7	1/2	4	1/2	2	1	1.75	35	225	7.0
	2	7	5/8	4	3/4	2	1	1.75	35	225	9.0
	2-1/2	7	11/16	4	3/4	2	1	1.75	35	225	13.0
	3	7	11/16	4	3/4	2	1.38	1.75	35	225	14.0
	4	9	11/16	8	3/4	2	1.38	1.50	35	225	20.0
	5	9	13/16	8	7/8	2	1.38	1.50	30	225	25.0
	6	9	7/8	8	7/8	2	1.38	1.50	30	225	30.0
	8	13	7/8	8	7/8	2.5	1.38	1.25	30	225	44.0
	10	13	15/16	12	1	2.5	1.38	1.25	30	225	64.0
	12	13	15/16	12	1	2.5	1.38	1.25	20	225	95.0
	14	13-3/4	1	12	1	1.5	1.1	1.1	20	115	135.0
	16	13-3/4	1-1/8	16	1	1.5	1.1	1.1	20	115	175.0
	20	13-3/4	1-3/16	20	1-1/8	1.5	1.1	1.1	20	115	285.0

* Operating pressure rated at 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: _____

P.O.#: _____



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