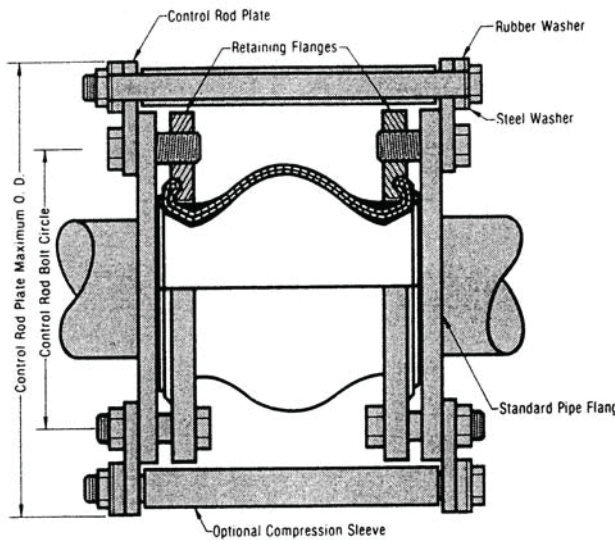


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***Maximum Operating Conditions**

Temperature (°F)	Maximum Pressure PSI
	12" & Smaller
170°	UP TO 225
180°	UP TO 220
190°	UP TO 175
210°	UP TO 150
200°	UP TO 125
220°	UP TO 100
230°	UP TO 75

Contact factory for other elastomers. Not for steam applications.

Data	301EE0200	301EE0250	301EE0300	301EE0400	301EE0500
Number Required					
EFP Style Number	301EE0200	301EE0250	301EE0300	301EE0400	301EE0500
Dimensions					
NOMINAL					
Pipe Size-Joint I.D.	2.00"	2.00"	3.00"	4.00"	5.00"
F-Length of Joint	6.00"	6.00"	6.00"	6.00"	6.00"
G-Flange Width	0.63"	0.71"	0.71"	0.71"	0.79"
Bolting					
Flange/Ring O.D.	6.00"	7.00"	7.50"	9.00"	10.00"
Bolt Circle	4.75"	5.50"	6.00"	7.50"	8.50"
Number & Hole Size	4 - 0.75"	4 - 0.75"	4 - 0.75"	8 - 0.75"	8 - 0.88"
Movements					
Axial Compression	0.500"	0.500"	0.500"	0.750"	0.750"
Axial Extension	0.375"	0.375"	0.375"	0.500"	0.500"
Lateral Deflection	0.500"	0.500"	0.500"	0.500"	0.500"
Angular Movement	20°	17°	14°	14°	11°
Physical					
Pressure Rating ⁽¹⁾	225 PSI	225 PSI	225 PSI	225 PSI	225 PSI
Vacuum Rating ⁽¹⁾	26 In/Hg	26 In/Hg	26 In/Hg	26 In/Hg	26 In/Hg
Temperature Rating	230 °F	230 °F	230 °F	230 °F	230 °F
FSA Pressure Series	C	C	C	C	C
FSA Material Class	Standard	Standard	Standard	Standard	Standard
Approx. Weights					
Expansion Joint	12.3 LBS	12.3 LBS	14.0 LBS	18.3 LBS	22.8 LBS
Control Unit Set (#)	7.6 LBS	7.6 LBS	8.3 LBS	7.4 LBS	10.4 LBS
Packing Crates	-	-	-	-	-
Total Approx. Wght Ea.	19.9 LBS	19.9 LBS	22.3 LBS	25.7 LBS	32.2 LBS
Materials					
Tube Elastomer	EPDM	EPDM	EPDM	EPDM	EPDM
Cover Elastomer	EPDM	EPDM	EPDM	EPDM	EPDM
Body Fabric	NYLON	NYLON	NYLON	NYLON	NYLON
Body Reinforcing	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC
Flanges	STEEL	STEEL	STEEL	STEEL	STEEL
Control Units	GALV STL	GALV STL	GALV STL	GALV STL	GALV STL

WARNING: Control units must be used to protect this part from excessive movement if piping is not properly anchored. Expansion joints may operate in pipelines or equipment carrying fluids and/or gasses at elevated temperature and pressures. Normal precautions should be taken to make sure these parts are installed correctly and inspected regularly. Precautions should be taken to protect personnel in the event of leakage or splash.



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St. Michael, MN 55376 - USA
PH: 763-201-2151
FAX: 763-201-2134

SCALE: NONE

PRINT CERTIFICATION: Certified correct as of 10/21/16 by

R. Vance, (Pres.) Subscribed & sworn to before me, on this 21st day of October, 2016
By: _____ (Notary Public)

DWG NO:	PROP/INQ/ORD. NO:	REMARKS:
FORM NO: SINGLE SPHERE	CUSTOMER NAME:	
APPVD BY: RV CHECKED BY: RV PROD. DESC:	PROJECT NAME:	(1) PRESSURE RATING IS BASED ON 170° F. MOVEMENTS ARE NON-CONCURRENT.
	CONTRACTOR:	SEE ATTACHED FOR CONTROL ROD REQUIREMENTS
		HAVE CONTROL UNITS BEEN SPECIFIED/ORDERED FOR THIS INSTALLATION: YES

THE ABOVE EXPANSION JOINTS AND RELATED HARDWARE, MEET OR EXCEED THE PHYSICAL, MECHANICAL OR MATERIAL SPECIFICATIONS OF THE RUBBER EXPANSION JOINT DIV., FLUID SEALING ASSOCIATION. FOR ADDITIONAL INFORMATION, SEE THE ASSOCIATION, "TECHNICAL HANDBOOK, FIFTH EDITION", CHAPTER II, PARAGRAPH A.1. AND TABLES II, III, AND IV.

Table 6: Control Units/Unanchored

Control Units must be installed when pressures (test • design • surge • operating) exceed rating below:

Pipe Size	Series 301 P.S.I.G.	Series 302 P.S.I.G.
1" thru 4"	180	135
5" thru 10"	135	135
12" thru 14"	90	90
16" thru 24"	45	45
30"	35	35

Table 7:		Maximum Surge or Test Pressure of the System			
Nominal Pipe Size Expansion Joint I.D. Inch /(mm)		Number of Control Rods Recommended			
		2	4	6	8
1	(25)	949	•	•	•
1.25	(32)	830	•	•	•
1.5	(40)	510	•	•	•
2	(50)	661	•	•	•
2.5	(65)	529	•	•	•
3	(75)	441	•	•	•
4	(100)	311	622	•	•
5	(125)	235	470	•	•
6	(150)	186	371	•	•
8	(200)	163	326	•	•
10	(250)	163	325	488	•
12	(300)	160	320	481	•
14	(350)	112	223	335	•
16	(400)	113	227	340	453
18	(450)	94	187	281	375
20	(500)	79	158	236	315
24	(600)	74	147	221	294
30	(750)	70	141	211	281

Note:

Pressures listed above do not relate to the actual design pressure of the expansion joint products, but are the maximum surge or pressure for a specific control rod nominal pipe size.