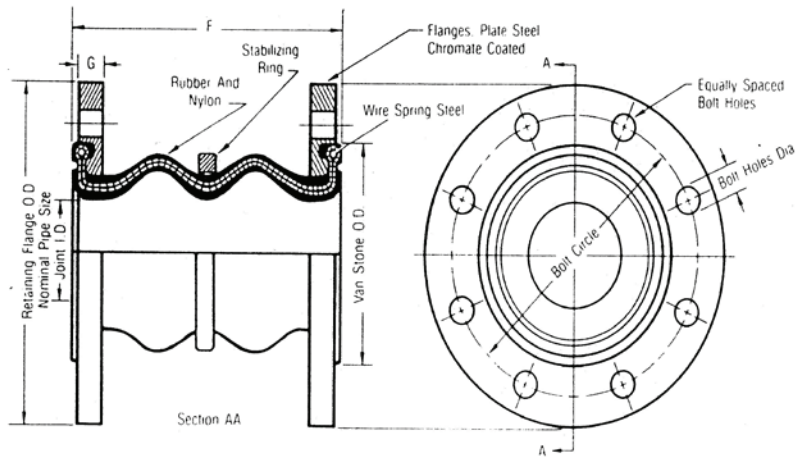


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***Maximum Operating Conditions**

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

Contact factory for other elastomers. Not for steam applications.

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.

Data	Item Number	302NN0200	302NN0250	302NN0300	302NN0400	302NN0500
	Number Required					
	EFP Style Number	302NN0200	302NN0250	302NN0300	302NN0400	302NN0500
Dimensions	Pipe Size-Joint I.D.	2.00"	2.50"	3.00"	4.00"	5.00"
	F-Length of Joint	7.00"	7.00"	7.00"	9.00"	9.00"
	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"	6.0"	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	2.000"	2.000"	2.000"	2.000"	2.000"
	Axial Extension	1.188"	1.188"	1.188"	1.375"	1.375"
	Lateral Deflection	1.750"	1.750"	1.750"	1.562"	1.562"
	Angular Deflection	45°	43°	38°	34°	29°
Physical	Pressure Rating ⁽¹⁾	225 PSIG	225 PSIG	225 PSIG	225 PSIG	225 PSIG
	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	9.0 LBS	13.3 LBS	14.3 LBS	20.3 LBS	24.5 LBS
	Control Unit Set	-	-	-	-	-
	Packing Crates	-	-	-	-	-
	Total Approx. Wght Ea.	9.0 LBS	13.3 LBS	14.3 LBS	20.3 LBS	24.5 LBS
Materials	Tube Elastomer	NEOPRENE	NEOPRENE	NEOPRENE	NEOPRENE	NEOPRENE
	Cover Elastomer	NEOPRENE	NEOPRENE	NEOPRENE	NEOPRENE	NEOPRENE
	Body Fabric	NYLON	NYLON	NYLON	NYLON	NYLON
	Body Reinforcing	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC
	Control Units	-	-	-	-	-



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St. Michael, MN 55376-USA
PH: 763-201-2151
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SCALE: NONE

PRINT CERTIFICATION: Certified correct as of 3/16/12 by R. Vance (Pres.) Subscribed & sworn to before me, on this 16th day of March, 2012

By: _____ (Notary Public)

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