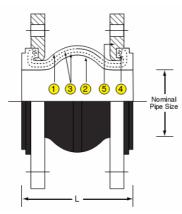


# ASF SINGLE SPHERE – LARGE DIAMETER FLANGE END





## MATERIALS

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	Symbol	Parts Name	Material						
	1	Body (Outer Layer)	Special Synthetic Rubber						
	2	Body (Inner Layer)	Special Synthetic Rubber						
	3	Reinforcing Fabric	Nylon Fabric						
	4	Wire	Hard Steel Wire						
	5	Flange	Mild Steel (Galv'd)						

# DIMENSIONS AND ALLOWABLE MOVEMENTS (inch)

DIMENSIONS AND ALLOWABLE MOVEMENTS (INCI)										
Nomina	al Size	Neutral Length	Allowable Movements in Operation							
mm	inch	L	A.C.	A.E.	L.D.	A.D.	Max. Operating Pressure			
350	14"	10 <sup>1</sup> / <sub>2</sub>	1	<sup>5</sup> /8	3/4	15º	145			
400	16"	10 <sup>1</sup> / <sub>2</sub>	1	<sup>5</sup> /8	<sup>3</sup> / <sub>4</sub>	15º	145			
450	18"	8	<sup>3</sup> / <sub>4</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	15º	145			
500	20"	8	3/4	<sup>1</sup> / <sub>2</sub>	3/4	15º	145			
600	24"	10	<sup>3</sup> / <sub>4</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	15º	145			
700	28"	10	3/4	<sup>1</sup> / <sub>2</sub>	3/4	10º	115			
750	30"	10	3/4	<sup>1</sup> / <sub>2</sub>	3/4	10º	115			
800	32"	10	<sup>3</sup> / <sub>4</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	8º	115			
900	36"	10	<sup>3</sup> / <sub>4</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	8º	115			
1000	40"	12	3/4	<sup>1</sup> / <sub>2</sub>	3/4	8º	85			
1100	44"	12	<sup>3</sup> / <sub>4</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	6º	85			
1200	48"	12	3/4	<sup>1</sup> / <sub>2</sub>	3/4	6º	85			

**Operating Temperature against Operating Pressure** 

122

108

86

64

140

90

72

53

158

72

57

42

Ambient

145

115

85

A.C.=Axial Compression A.E.=Axial Elongation L.D.=Lateral Deflection A.M.=Angular Deflection

Operating

Temperature <sup>o</sup>F

Maximum

Operating

Pressure (psi)

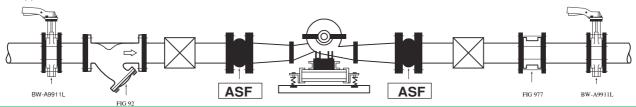
## **OPERATING CONDITIONS**

- ♦ Operating Pressure: See Table Above
- ♦ Operating Temperature: 14º to 176ºF
- ♦ Vacuum Rating: 27" / Hg
- Applicable Fluids: Water, Warm Water, Sea Water, Air & Weak Acid
- ♦ Flange Standard: DIN, ANSI, JIS & BS

**NOTES** Higher temperatures affect movement and pressure. As temperature increases, rated values must be reduced accordingly.

Pressures shown are recommended "operating", test pressure is 1.5 times "operating".

- Vacuum rating is based on neutral installed length without external load. Products shall not be installed "elongated" on vacuum applications.
- Expansion joints may operate in pipelines or equipments carrying fluids at evaluated temperatures and pressures. Normal precautions shall be taken to make sure these parts are installed correctly and inspected regularly. Precautions shall be taken to protect personnel in the event of leakage or splash.
- For other kinds of applicable fluids, except the above, to which the rubber joint becomes applicable, please kindly consult your supplier or manufacturer.



176

58

46

34