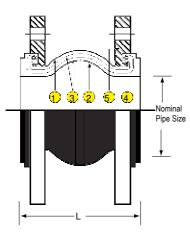
ASF SINGLE SPHERE – FLANGE END





Operating Temperature against Operating Pressure

122

180

140

145

158

110

Ambient

232

MATERIALS

HyCon

	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)

Nomin	al Size	Neutral Length	Allowable Movements in Operation				
mm	inch	L	A.C.	A.E.	L.D.	A.D.	
32	1 ¹ / ₄ "	6	¹ / ₂	³ / ₈	¹ / ₂	15º	
40	1 ¹ /2"	6	¹ / ₂	³ / ₈	¹ / ₂	15º	
50	2"	6	¹ / ₂	³ / ₈	¹ / ₂	15º	
65	2 ¹ / ₂ "	6	¹ / ₂	³ / ₈	¹ / ₂	15º	
80	3"	6	¹ / ₂	³ / ₈	¹ / ₂	15º	
100	4"	6	⁵ / ₈	³ / ₈	¹ / ₂	15º	
125	5"	6	⁵ / ₈	³ / ₈	¹ / ₂	15º	
150	6"	6	⁵ / ₈	³ / ₈	¹ / ₂	15º	
200	8"	6	⁵ / ₈	³ / ₈	¹ / ₂	15º	
250	10"	8	³ / ₄	¹ / ₂	³ / ₄	15º	
300	12"	8	3/4	¹ / ₂	3/4	15º	

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

OPERATING CONDITIONS

- ♦ Operating Pressure: 232 psi
- ♦ 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.

Operating

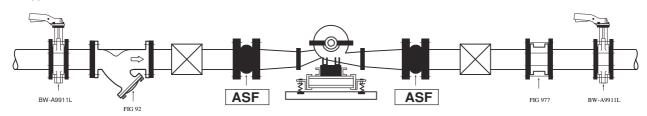
Temperature ^oF

Maximum

Operating

Pressure (psi)

- 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

95