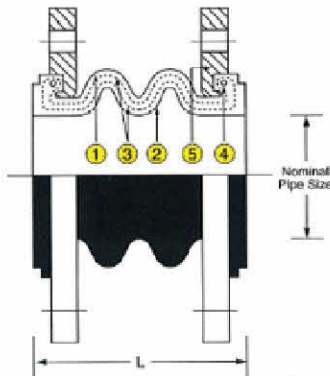


# AFA<sup>®</sup> STYLE 99 TF TWIN SPHERE FLANGE



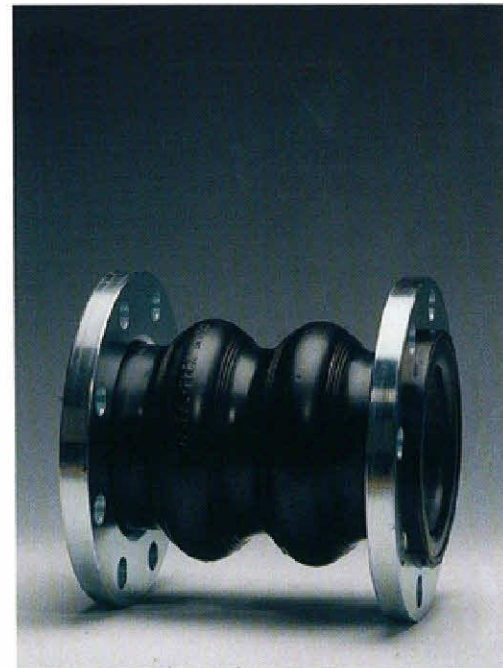
S/NO	PART NAME	MATERIAL
1	Body (Outer Layer)	Special Synthetic Rubber
2	Body (Inner Layer)	Special Synthetic Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Wire	Hard Steel Wire
5	Flange	Mild Steel (Galv'd)

**Operating Pressure** : 16 Bar  
**Operating Temperature** : -10 to 80 Deg C  
**Vacuum Rating** : 650 MM/HG  
**\*Applicable Fluids** : Water, Warm Water, Sea Water, Air & Weak Acid  
**Flanges Standard** : DIN, ANSI, JIS & BS

NOMINAL PIPE SIZE	NEUTRAL LENGTH L		AXIAL COMPR- SSION	AXIAL ELONG- ATION	LATERAL DEFLECTION + OR - MM	ANGULAR DEFLECTION + OR - DEG
	MM	INS				
20	3/4	120	15	10	15	20
25	1	120	15	10	15	20
32	1 1/4	175	25	15	20	30
40	1 1/2	175	25	15	20	30
50	2	175	25	15	20	30
65	2 1/2	175	25	15	20	30
80	3	175	25	15	20	30
100	4	225	30	20	25	30
125	5	225	30	20	25	30
150	6	225	30	20	25	30
200	8	325	40	25	30	30
250	10	325	40	25	30	30
300	12	325	40	25	30	30

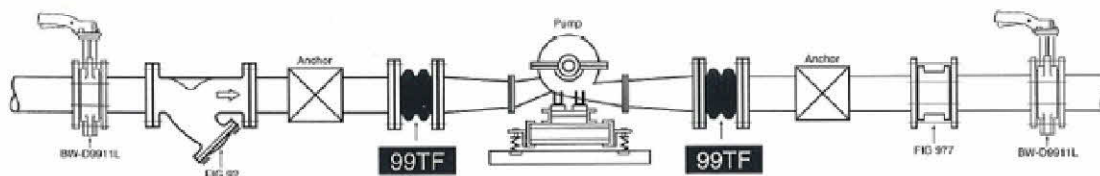
### OPERATING TEMPERATURE AGAINST OPERATING PRESSURE

OPERATING TEMPERATURE °C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE (BAR)	16	12.4	10	7.5	6.5



### 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.



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