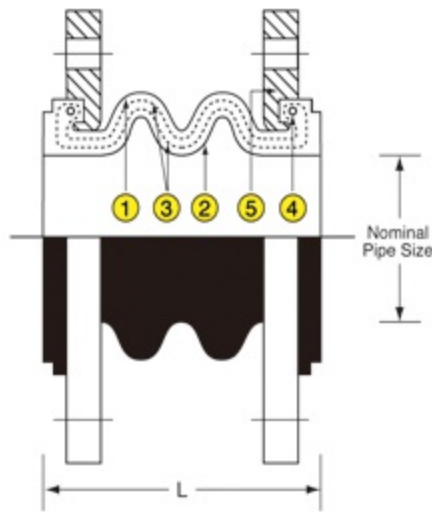




# AFA<sup>®</sup>

## STYLE 99 TF TWIN SPHERE FLANGE



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

**Operating Pressure** : 16 Bar  
**Operating Temperature** : See Table Below  
**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	ALLOWABLE MOVEMENT				INSTALLATION TOLERANCE			
			AXIAL COMPR- SSION	AXIAL ELONG- ATION	LATERAL DEFLECTION	ANGULAR DEFLECTION	AXIAL COMPR- SSION	AXIAL ELONG- ATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
MM	INS	MM	MM	MM	+ OR - MM	+ OR - DEG	MM	MM	+ OR - MM	+ OR - DEG
20	¾	120	10	5	10	15	5	3	4	5
25	1	120	10	5	10	15	5	3	4	5
32	1¼	175	20	10	15	20	5	3	6	7.5
40	1½	175	20	10	15	20	5	3	6	7.5
50	2	175	20	10	15	20	5	3	6	7.5
65	2½	175	20	10	15	20	5	3	6	7.5
80	3	175	20	10	15	20	5	3	6	7.5
100	4	225	25	15	20	20	5	3	8	7.5
125	5	225	25	15	20	20	5	3	8	7.5
150	6	225	25	15	20	20	5	3	8	7.5
200	8	325	35	20	25	20	5	3	10	7.5
250	10	325	35	20	25	20	5	3	10	7.5
300	12	325	35	20	25	20	5	3	10	7.5

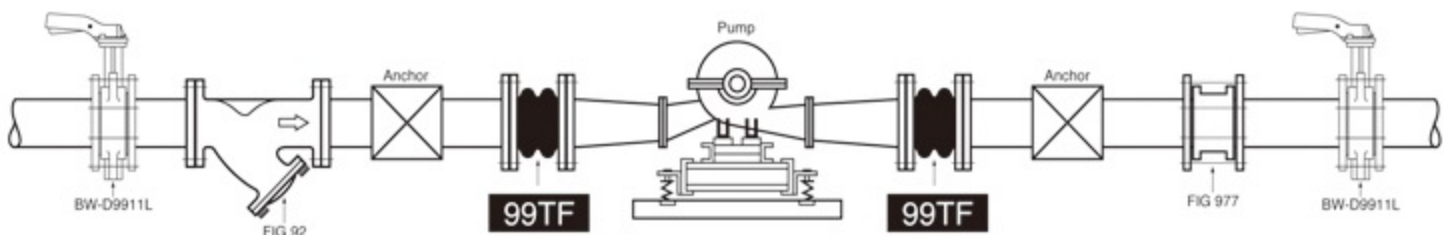
### OPERATING TEMPERATURE AGAINST OPERATING PRESSURE

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



### NOTES

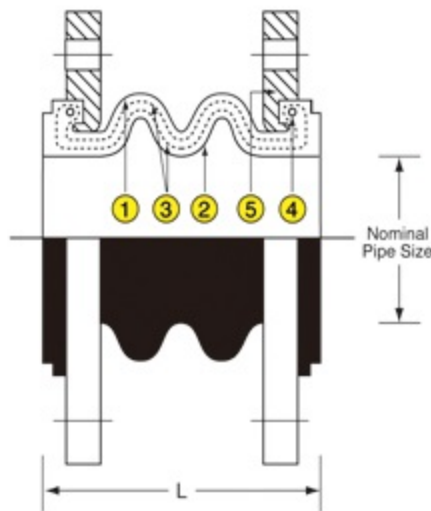
- Higher temperatures affect movement and pressure. As temperature increases, rated values must be reduced accordingly.
- Pressures shown are recommended "operating", test pressure is 1.5 times "operating".
- Vacuum rating is based on neutral installed length without external load. Products shall not 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.





**AFA**<sup>®</sup>

**STYLE 99 TF**  
**TWIN SPHERE FLANGE**



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

Operating Pressure : 10 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	ALLOWABLE MOVEMENT				INSTALLATION TOLERANCE			
			AXIAL COMPR- SSION	AXIAL ELONG- ATION	LATERAL DEFLECTION	ANGULAR DEFLECTION	AXIAL COMPR- SSION	AXIAL ELONG- ATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
MM	INS	MM	MM	MM	+ OR - MM	+ OR - DEG	MM	MM	+ OR - MM	+ OR - DEG
350	14	350	35	20	25	20	5	3	10	7.5
400	16	350	35	20	25	20	5	3	10	7.5
450	18	350	35	20	25	20	5	3	10	7.5
500	20	350	35	20	25	20	5	3	10	7.5
600	24	350	35	20	25	20	5	3	10	7.5

**OPERATING TEMPERATURE AGAINST OPERATING PRESSURE**

OPERATING TEMPERATURE °C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE(BAR)	10	7.5	6.2	5.0	4.0



**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.
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