STYLE 99 UF
TWIN SPHERE DUCTILE IRON FLANGE SCREW TYPE
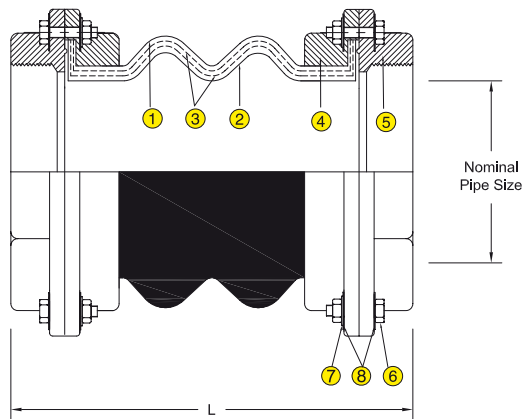
S/NO	PART NAME	MATERIAL
1	Body (Outer Layer)	Special Synthetic Rubber(EPDM)
2	Body (Inner Layer)	Special Synthetic Rubber(EPDM)
3	Reinforcing Fabric	Nylon Fabric
4	Union Flange	Ductile Iron (Galv'd)
5	Flange Screw	Ductile Iron (Galv'd)
6	Bolt & Nut	Steel (Galv'd)
7	Spring Washer	Steel (Galv'd)
8	Flat Washer	Steel (Galv'd)

Operating Pressure : 16 Bar & 20 Bar
Operating Temperature : -10 to 80 Deg C
Vacuum Rating : 500 MM/HG
*Applicable Fluids : Water, Warm Water, Sea Water & Air
Flange Screw : BSP & NPT Threaded

NOMINAL PIPE SIZE		NEUTRAL LENGTH L	AXIAL COMPR-ESSION	AXIAL ELONG-ATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
MM	INS	MM	MM	MM	+ OR - MM	+ OR - DEG
15	1/2	167	22	6	22	30
20	3/4	167	22	6	22	30
25	1	173	22	6	22	30
32	1 1/4	181	22	6	22	30
40	1 1/2	182	22	6	22	30
50	2	185	22	6	22	20
65	2 1/2	208	22	6	22	15
80	3	241	22	6	22	15

OPERATING TEMPERATURE AGAINST OPERATING PRESSURE

OPERATING TEMPERATURE °C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE(BAR)	16 (Bar)	9.6	7.5	6.2	5.0
MAXIMUM OPERATING PRESSURE(BAR)	20 (Bar)	15	12.4	10	7.5

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.
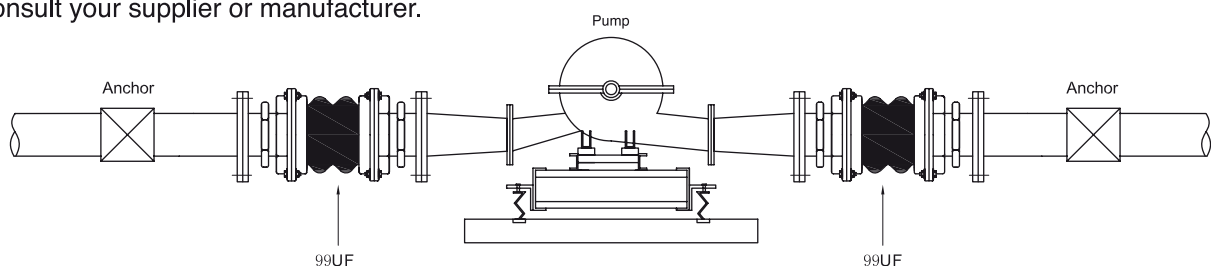
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