

# 250 degrees



INTRODUCING MIGHTYSPHERE™, THE PUMP  
CONNECTOR THAT CAN TAKE THE HEAT

Metraflex.  
*for pipes in motion*



# 250° MIGHTY SPHERE™ PUMP CONNECTOR

Protect your pumps and reduce noise and vibration with the new, **MightySphere™ High Temperature**, expansion joint/pump connector from Metraflex

The new Metraflex MightySphere™ High Temperature pump connector incorporates a rugged, long-lasting material which provides years of trouble-free operation at high temperature.

A durable joint for piping systems reaching temperatures up to 250°F (121°C), the

Metraflex MightySphere™ joint differs from standard EPDM expansion joints by **integrating Kevlar® cording and peroxide-cured EPDM**. It is perfect for high-temp applications requiring modest pipe movement/expansion at higher temperatures.


An anchor wire, fully-wrapped with Kevlar® corded material, ensures a positive seal between the body and the floating flange.

- Kevlar® reinforced, peroxide-cured EPDM rubber greatly enhances tolerance to high temperatures
- Anchor wire wrapped with Kevlar® corded material ensures a positive seal between the body and the floating flange
- Reduces noise and vibration
- Isolates and protects the pump

### Single MightySphere™ Data

Joint Size ID (in)	Face-To-Face (in)	Pressure vs Temperature					Movement Capability			
		170°F	190°F	210°F	230°	250°F	Compression	Elongation	Lateral	Angular (degrees)
2	6	250	245	235	225	215	1/2	3/16	3/8	15
2-1/2	6	250	245	235	225	215	1/2	3/16	3/8	15
3	6	250	245	235	225	215	1/2	3/16	3/8	15
4	6	250	245	235	225	215	5/8	3/16	3/8	15
5	6	250	245	235	225	215	5/8	3/16	3/8	15
6	6	250	245	235	225	215	5/8	3/16	3/8	15
8	6	250	245	235	225	215	5/8	3/16	3/8	15
10	8	250	245	235	225	215	3/4	1/4	1/2	15
12	8	250	245	235	225	215	3/4	1/4	1/2	15

### Double MightySphere™ Data



Joint Size ID (in)	Face-To-Face (in)	Pressure vs Temperature					Movement Capability			
		170°F	190°F	210°F	230°	250°F	Compression	Elongation	Lateral	Angular (degrees)
2	7	250	245	235	225	215	2	9/16	3/4	34
2-1/2	7	250	245	235	225	215	2	9/16	3/4	32
3	7	250	245	235	225	215	2	9/16	3/4	30
4	9	250	245	235	225	215	2	9/16	11/16	28
5	9	250	245	235	225	215	2	9/16	11/16	24
6	9	250	245	235	225	215	2	9/16	11/16	22
8	13	250	245	235	225	215	2-3/8	9/16	11/16	20
10	13	250	245	235	225	215	2-3/8	9/16	11/16	18
12	13	250	245	235	225	215	2-3/8	9/16	11/16	16

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