



FLEXIBLE CONNECTOR

FLANGED SINGLE SPHERE RUBBER BELLOW, PN16

Model Number: **MV600-1**

FEATURES / CHARACTERISTICS

| | |
|----------------|---|
| Rating | PN16 |
| Connection | Flanged to BS EN1092-2, PN16 (ex BS4504) |
| Working Medium | Water, Oil and Steam |

Single Sphere EPDM, Floating Flanged,
Four way movements provide high level of
installation Flexibility, Precision mould of synthetic
rubber reinforced with nylon cord.

ON REQUEST

PN Ratings ,Body Material (NBR, Viton, etc.)
(subject to minimum order quantities)

HYDROSTATIC TEST PRESSURE

Shell- 24 bar

WORKING TEMPERATURE

16 Bar -10° C to 100° C water



MATERIAL SPECIFICATIONS

| | PARTS | MATERIAL |
|---|----------------|-------------------|
| 1 | Main Body | EPDM |
| 2 | Lining | Nylon Cord Fabric |
| 3 | Frame | Hard Steel Wire |
| 4 | End Connection | Mild Steel |

DIMENSIONS (mm)

| Nominal core diameter | | Length (L) | No. of Bolts | Dia of Bolt Hole | Dia of Bolt Hole center circle | Axial Displacement (IN) | | Lateral Displacement (IN) | Angle of Deflection (Degrees) |
|-----------------------|--------|------------|--------------|------------------|--------------------------------|-------------------------|-------------|---------------------------|-------------------------------|
| mm | inches | inches | no. | inches | inches | Stretch | Compression | | |
| 65 | 2½" | 6 | 4 | 3/4 | 5½ | ½" | ¾" | 9/16 | 15° |
| 80 | 3" | 6 | 4 | 3/4 | 6 | ½" | ¾" | 9/16 | 15° |
| 100 | 4" | 6 | 8 | 3/4 | 7½ | ½" | ¾" | 9/16 | 15° |
| 125 | 5" | 6 | 8 | 7/8 | 8½ | ½" | ¾" | 9/16 | 15° |
| 150 | 6" | 6 | 8 | 7/8 | 9½ | ½" | ¾" | 9/16 | 15° |
| 200 | 8" | 6 | 8 | 7/8 | 11¼ | ½" | ¾" | 9/16 | 15° |
| 250 | 10" | 8 | 12 | 1 | 14¼ | 5/8 | 1" | 7/8" | 15° |
| 300 | 12" | 8 | 12 | 1 | 17 | 5/8 | 1" | 7/8" | 15° |
| 350 | 14" | 8 | 12 | 1 1/8 | 18¾ | 5/8 | 1" | 7/8" | 15° |
| 400 | 16" | 8 | 16 | 1 1/8 | 21¼ | 5/8 | 1" | 7/8" | 15° |
| 450 | 18" | 8 | 16 | 1 1/4 | 22¾ | 5/8 | 1" | 7/8" | 15° |
| 500 | 20" | 8 | 18 | 1 1/4 | 25 | 5/8 | 1" | 7/8" | 15° |
| 600 | 24" | 10 7/16 | 20 | 1 1/4 | 29½ | 5/8 | 1" | 7/8" | 15° |

*All dimensions are nominal (indicative)
Actual dimensions may vary

NOTES

The pipes must be properly aligned and anchored prior to installation of Flexible connectors (i.e Flexibles must not bear the weight of the pipes.

The Flexible connectors should be installed in their "relaxed" state (i.e. not compressed, extended, twisted... etc).