 **Insulated Spider Type Pipe Guides.**

Product Specifications

1. General
   1. Provide insulated pipe guides as indicated on project plans or in accordance with EJMA guidelines based on design pressure and line size.
   2. Primary and intermediate guides shall be pre-insulated spider type.
2. Products
   1. Pipe guides shall be style “**PG Insulated Pipe Guide**” as manufactured by The Metraflex Company®, Chicago, IL.
   2. All components shall be manufactured in compliance with the Manufacturer's Standardization Society (MSS) SP-58 and SP-89
   3. Guide shall be made up of a guide cylinder with bolt down base and a two-section guide spider with 1/8” clearance and insulation.
   4. Insulation shall be Johns Manville T-1200 Calcium Silicate insulation.
      1. Insulation shall have 450 PSI compressive strength per ASTM C656, Type II, Grade 5
      2. Insulation shall have a K-Factor: .62 @400⁰ F in accordance to ASTM C-518
      3. Insulation shall have a Flame Spread -0-, Smoke developed -0-. In accordance with ASTM E-84
   5. Guide shall be made up of ASTM A-134 carbon steel.
   6. Insulated Guide cylinder shall be sized to accommodate pipe insulation.
   7. Guide spider shall be sized to accommodate thermal movement.
   8. All surfaces of guide shall be coated with fusion bonded powder coating.
3. Execution
   1. Install per manufacturer’s installation instructions and Mechanical Contractors Association of America “Guidelines for Quality Piping Installations”.
   2. Spider type guides are rated to restrain lateral loads only and do not replace pipe supports.