

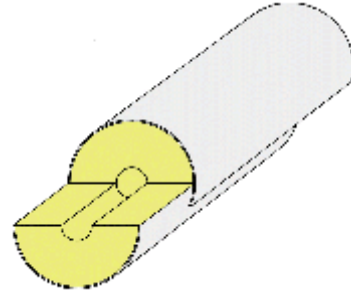


INDUSTRIAL INSULATION SALES, INC.

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PRE-INSULATED PIPE SADDLE TYPE K-CASA



Description

The K-CASA saddle is a two (2) piece pipe support made of hydrous calcium silicate insulation. It has been designed with the best possible insulation values for processes at elevated temperatures coupled with a high resistance to compression. The K-CASA saddle has a design use for processes in range of ambient to high temperatures in industrial/commercial mechanical piping markets. The K-CASA meets the Standard Practice guidance of MSS-SP-58, 9.2.2 for Type 40 protection shields and MSS-SP-69, Table 5, maximum hanger spans when band hanger are used.

Construction

The K-CASA saddle consists of a bottom 180 degree piece of calcium silicate insulation which is bonded to a rolled 180 degrees galvanized sheet metal protection shield. The top piece is also a 180 degree piece of calcium silicate insulation which is bonded to a 240 degrees galvanized sheet metal shield. The additional 60 degrees of sheet metal overlap on top piece allows for the pipe saddle to clamp to itself and stay held into place on the pipe without additional clamping devices.*

The K-CASA two-piece design allows the saddle to be pre-positioned on the pipe prior to it being lifted up into the piping guides. As the piping is leveled and connections are made, the K-CASA pipe saddle can be slid into the hangers providing permanent insulation blocking. Thereby eliminating the need to remove any temporary leveling blocks when the insulation systems are installed. The overall design offers simplifies pipe installation and an uninterrupted run of insulated piping.

Advantages:

- Safety, eliminates potential falls out of temporary blocks of wood
- Ease of installation
- Gold colored insulation for positive identification that it is Asbestos free
- Noncombustible
- Uninterrupted runs of insulated pipes

Designed for: • Hot Water • Steam • Condensate • Dual Temperature • Process • Air • Gas •

Temperature Range: Ambient to +1200°F (+650°C)

Available sizes:

- Nominal Pipe Sizes - 1/2" through 24"
- Tubing Sizes - 5/8" through 6"
- other pipe diameters or tubing sizes available

(See reverse side of physical properties)

Physical Properties of the K-CASA Saddle:

A.) Calcium Silicate Insulation:

Density:

(ASTM C 302) 14 lbs. per cu. ft. (232 kg/m³)

Compressive Strength:

(ASTM C 165) 100 psi (448 kPa) to produce a 5% compression

Flexural Strength

(ASTM C 203) 65 psi (483 kPa)

Insulation Values

(ASTM C 518)

k - value .33 BTU·in/hr·sf²·°F

R - value 3.03 Hr·ft²·°F/BTU

@ 75°F

@ 75°F @ 1"thick

B.) Outer Metal Jacketing

Type: Galvanized Steel

Gauge: 20 - 14 gauge, based on pipe size, insulation thickness and saddle length.

* Any construction material which will be placed overhead of any personnel should be evaluated for a potential falling hazard. It maybe necessary to add a securing band to the pipe support where excessive pipe movement during installation and/or operation may cause the support to fallout.

Notice: Use, conditions and government regulations may differ from one location to another, and may change with time, it is the Buyer's responsibility to determine whether this product is appropriate for Buyer's use and to assure Buyer's use, workplace and disposal practices are in compliance with laws, regulations, ordinances and other government enactments applicable in the jurisdiction have authority over the Buyer's operations.