



F-1000 Phenolic Foam Insulated Pipe Support

Product

- F-1000 Phenolic Foam Insulated Pipe Support is fabricated from closed cell, fire and moisture resistant rigid thermal insulation.
- The pipe insulation is covered with a two-piece galvanized steel shield which covers the entire circumference and length of the insulation.
- F-1000 is not faced with a vapor retarder and therefore should only be installed on above ambient process piping.
- Low thermal conductivity provides superior insulating performance for mechanical piping systems operating from ambient up to 220°F.
- See current Therma-Phen® data sheet for full physical property and compliance listings.



**Dual Density*

**Custom Ship Lap Shown*

Features

- Therma-Phen® phenolic foam is a cost-effective choice that provides excellent thermal protection and enhanced fire resistance compared to other insulations such as XPS, PIR or cellular glass.
- Meets 25/50 flame spread/smoke developed code requirement for use within commercial building return air plenums (up to 3" wall thickness).
- Phenolic foam inserts utilize the density of the bottom section at the load point in accordance with the following standard schedule:
- 5/8" to 2.5" pipe = 2.5 PCF nominal (32+ psi)
- 3 1/8" to 6" pipe = 5 PCF nominal (85+ psi)
- 8" to 12" pipe = 7 PCF nominal (135+ psi)
- Metal shield roll formed from G90 galvanized steel per ASTM A-527.

Applications

- F-1000 Phenolic Foam Insulated Pipe Supports are commonly used on domestic hot, hot water heating, rain water leaders and condensate drains in commercial buildings.
- Meets the compressive strength requirement of MSS SP-58 as a "high strength insert" allowing for reduced lengths and metal shield gauge through pipe hangers.
- Insulated pipe supports are more labor effective compared to the traditional method of the insulator lowering the clevis hanger, field notching the fiberglass pipe cover and then installing a wood or high density fiberglass block and curved metal shield at each structural pipe hanger.
- The most labor effective workflow involves the mechanical contractor installing pre-insulated 360 degree pipe supports at each structural hanger or clamp during the pipe installation process set at the correct elevations. Eliminates double labor.

Benefits

- High compressive strength thermoset phenolic foam does not crush easily compared to low compressive strength insulations.
- Phenolic foam is less dusty, light weight and fabricates easily with hand tools.
- The two-piece curved metal shield covering the entire circumference of the insert allows for installation with any type of structural hanger including clevis hangers or strut clamps.
- Finished OEM product arrives to job site fully assembled and ready to install.
- Buy American Act Certified

Safety

- Therma-Phen® does not contain asbestos
- CFC/HCFC free with zero ozone depletion potential (ODP)
- Thermoset plastic resistant to many common chemicals
- Non-fibrous or itchy, odorless and low dust
- Insulating hot piping will prevent personnel burn injuries in buildings and industrial plants.
- Maintains installed thickness without crushing to provide long term insulating performance.
- Supports the cladding to provide continuous protection against crushing, moisture infiltration, loss of insulation performance and the resultant potential for corrosion under insulation (CUI).

| Iron Pipe Size | Max Load (lbs.) | | A = Insulation Length | | | | | | B = Gauge of Steel Jacket | | | | | | Copper Tubing Size |
|----------------------|-----------------|------------------|-----------------------|----|----------|----|--------------|----|---------------------------|----|--------------|----|----------|----|--------------------------|
| | Flat Surface | Clevis Hanger | 1/2” thick | | 1’ thick | | 1 1/2” thick | | 2’ thick | | 2 1/2” thick | | 3” thick | | |
| | | | A | B | A | B | A | B | A | B | A | B | A | B | |
| 3/8 | 40 | 40 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 5/8 |
| 1/2 | 40 | 40 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 7/8 |
| 3/4 | 40 | 45 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 1/8 |
| 1 | 55 | 65 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 3/8 |
| 1 1/4 | 70 | 80 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 5/8 |
| 1 1/2 | 90 | 100 | 4 | 20 | 4 | 20 | 4 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | XX |
| 2 | 110 | 125 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 2 1/8 |
| 2 1/2 | 125 | 180 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 2 5/8 |
| 3 | 150 | 225 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 3 1/8 |
| 3 1/2 | 200 | 300 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | XX |
| 4 | 250 | 300 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 4 1/8 |
| 5 | See F-4000 | 490 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | XX |
| 6 | | 600 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 1/8 |
| 8 | | 750 | — | — | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | XX |
| 10 | | 875 | — | — | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | XX |
| 12 | | 1000 | — | — | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | XX |

| Full Carton Quantities (Standard Products): F-1000 Phenolic Foam | | | | |
|--|----------------|--------------|------------------|--------------|
| Pipe Size | 1/2” thickness | 1” thickness | 1 1/2” thickness | 2” thickness |
| 5/8” | 40 | 48 | 27 | 10 |
| 1/2” | 36 | 42 | 21 | 27 |
| 3/4” | 30 | 42 | 21 | 27 |
| 1” | 66 | 27 | 15 | 18 |
| 1 1/4” | 48 | 27 | 36 | 18 |
| 1 1/2” | 42 | 21 | 36 | 15 |
| 2 1/8” | 36 | 21 | 36 | 15 |
| 2” | 20 | 12 | 18 | 15 |
| 2 5/8” | 18 | 12 | 18 | 15 |
| 2 1/2” | 14 | 27 | 15 | 12 |
| 3 1/8” | 14 | 27 | 15 | 12 |
| 3’ | 10 | 18 | 15 | 12 |
| 4 1/8” | 27 | 15 | 12 | 6 |
| 4” | 18 | 15 | 12 | 6 |
| 6 1/8” | 12 | 6 | 6 | 6 |
| 6” | 12 | 6 | 6 | 6 |
| 8” | *** | 6 | 6 | 6 |
| 10” | *** | 4 | 4 | 2 |
| 12" | *** | 2 | 2 | 2 |