

T-1000 Calcium Silicate Insulated Pipe Support

Product

- T-1000 Calcium Silicate Insulated Pipe Support is fabricated from filter pressed rigid thermal insulation manufactured in accordance with ASTM C533 type I.
- The pipe insulation section is covered with a 360-degree galvanized steel shield which runs the entire length of the insulation.
- T-1000 is not faced with a vapor retarder and therefore should only be installed on above ambient process piping.
- Low thermal conductivity provides excellent insulating performance for mechanical piping systems operating from ambient to 1200°F.



Features

- Fabricated from TPSX-12™ water resistant calcium silicate (calsil) with a minimum of 200 psi compressive strength which is the strongest type I calsil in the industry.
- Non-combustible insulation with 0/0 flame spread/smoke developed which exceeds the requirements for use within commercial building return air plenums.
- Excellent flexural strength to prevent cracking due to pipe movement and high vibration.
- Integral inorganic corrosion inhibiting chemistry activated in the presence of water.
- Jacket roll formed from G90 galvanized steel per ASTM A-527
- Buy American Act Certified

Applications

- T-1000 Calcium Silicate Supports are commonly used on domestic hot, hot water heating, rain water leaders, condensate drains and low to high pressure steam piping in commercial and industrial facilities.
- This high strength support is used alone or in combination with a secondary curved metal shield on the lower hemisphere of the support to further distribute the dead/live loads of the pipe.
- Insulated pipe supports are a more labor friendly alternative to the traditional method of field cutting the fiberglass pipe insulation and then installing a wood block or high density fiberglass block at the pipe hanger.
- May be installed by the mechanical contractor during the pipe installation to speed the insulating process.

Benefits

- Highest compressive strength of any mechanical insulation to provide support of the piping system and jacketing.
- Treated with silicone based water repellent to resist water absorption during installation.
- The curved metal shield on the entire circumference of the insert allows for installation with any type of structural hanger including clevis hangers or flat surfaces.
- Finished OEM product arrives to jobsite fully assembled and ready to install at the pipe hanger locations.

Safety

- TPSX-12™ calcium silicate has never contained asbestos.
- Calsil has been the workhorse insulation for over 45 years.
- 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 | |
| 5/8 | 100 | 120 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 5/8 |
| 1/2 | 100 | 120 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 7/8 |
| 3/4 | 110 | 140 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 1/8 |
| 1 | 120 | 160 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 3/8 |
| 1 1/4 | 130 | 200 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 5/8 |
| 1 1/2 | 140 | 250 | 4 | 24 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 2 1/8 |
| 2 | 150 | 300 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 2 5/8 |
| 2 1/2 | 200 | 350 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 3 1/8 |
| 3 | 225 | 400 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 3 5/8 |
| 3 1/2 | 250 | 500 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 6 | 20 | 4 1/8 |
| 4 | 300 | 600 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 5 1/8 |
| 5 | 350 | 750 | - | - | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 1/8 |
| 6 | 400 | 900 | - | - | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | |
| 8 | 550 | 950 | - | - | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | 6 | 16 | |
| 10 | 850 | 1200 | - | - | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | |
| 12 | 1200 | 1500 | - | - | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | |

| Full Box Quantities: T-1000 Calcium Silicate | | | | |
|--|----------------|--------------|------------------|--------------|
| 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 | 30 | 15 | 18 |
| 1 1/4" | 48 | 30 | 15 | 18 |
| 1 1/2" | 36 | 21 | 36 | 15 |
| 2 1/8" | 36 | 21 | 36 | 15 |
| 2" | 27 | 18 | 21 | 15 |
| 2 5/8" | 27 | 18 | 21 | 15 |
| 2 1/2" | 18 | 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 |
| 5" | 15 | 12 | 6 | 6 |
| 6 1/8" | 12 | 6 | 6 | 6 |
| 6" | 12 | 6 | 6 | 6 |
| 8" | 6 | 4 | 4 | 2 |
| 10" | 6 | 4 | 2 | 2 |