

# F-4000 HD Phenolic Foam Insulated Pipe Support

## Product

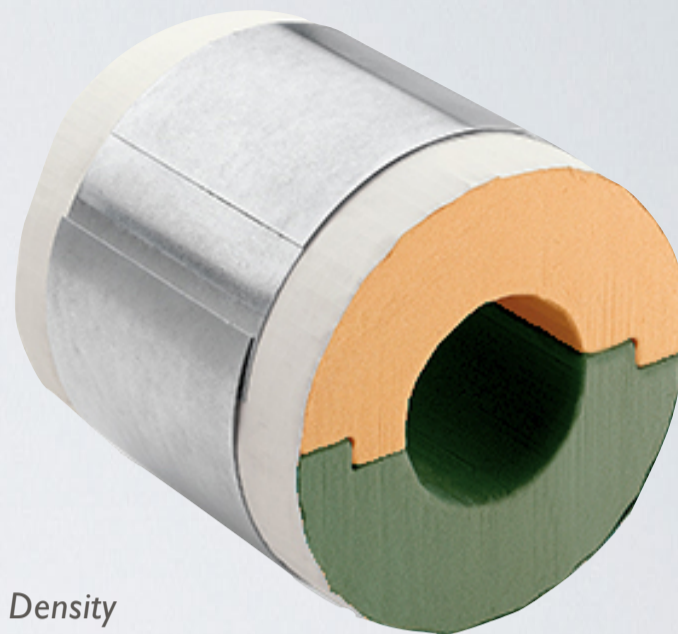
- F-4000 HD Phenolic Foam Insulated Pipe Support is fabricated from closed cell, fire and moisture resistant rigid thermal insulation.
- Includes a factory adhered ASJ+ vapor retarder with a longitudinal SSL closure strip for use on below ambient temperature process piping.
- Upgraded product features a two-piece galvanized steel shield PLUS a SECONDARY adhered shield for additional point load distribution. The insulation insert is 2" longer than the metal shield.
- Low thermal conductivity provides superior insulating performance for mechanical piping systems operating between 0°F and 220°F.
- See current Therma-Phen® data sheet for full physical property and compliance listings.

## 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 requirements for use within commercial building return air plenums (up to 2" 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.

## 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 DOUBLE THICK curved metal shield adhered at the load point allows for installation with any type of structural hanger including clevis and roller hangers or strut clamps.
- Finished OEM product arrives to job site fully assembled and ready to install.
- Easily detailed by the insulator with 2" ASJ tape to ensure continuity of the vapor retarder.
- Buy American Act Certified



*\*Dual Density  
\*Custom Ship Lap Shown*

## Applications

- F-4000 Phenolic Foam Insulated Pipe Supports are commonly used on chilled water, domestic cold, domestic hot, hot water heating, rain water leader, condensate drains and HVAC refrigeration piping 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.

## 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 cold piping will prevent surface condensation, dripping and subsequent water related slip, trip and falls.
- 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 Load Steel						Copper Tubing Size
	Flat Surface	Roller Hanger	Clevis Hanger	1' thick		1 1/2" thick		2' thick		2 1/2" thick		3" thick		
				A	B	A	B	A	B	A	B	A	B	
3/8	60	40	70	6	20	6	20	6	20	6	20	6	20	5/8
1/2	60	40	70	6	20	6	20	6	20	6	20	6	20	7/8
3/4	70	50	80	6	20	6	20	6	20	6	20	6	20	1 1/8
1	80	65	100	6	20	6	20	6	20	6	20	6	20	1 3/8
1 1/4	100	80	130	6	20	6	20	6	20	6	20	6	20	1 5/8
1 1/2	130	110	150	6	20	6	20	6	20	6	20	6	20	XX
2	180	130	200	6	18	6	18	6	18	6	18	6	18	2 1/8
2 1/2	200	150	275	6	18	6	18	6	18	6	18	6	18	2 5/8
3	220	180	300	6	18	6	18	6	18	6	18	6	18	3 1/8
3 1/2	230	210	380	6	18	6	18	6	18	6	18	6	18	XX
4	275	240	380	6	16	6	16	6	16	6	16	6	16	4 1/8
5	330	300	495	6	16	6	16	6	16	6	16	6	16	XX
6	440	400	605	6	16	6	16	6	16	6	16	6	16	6 1/8
8	635	—	800	9	16	9	16	9	16	9	16	9	16	XX
10	960	—	1160	9	16	9	16	9	16	9	16	9	16	XX
12	—	—	1400	9	16	9	16	9	16	9	16	9	16	XX

Full Carton Quantities (Standard Products): F-4000 Phenolic Foam						
Pipe Size	1" thickness		1 1/2" thickness		2" thickness	
3 1/8"	27		15		12	
3'	18		15		12	
4 1/8"	15		12		6	
4"	15		12		6	
6 1/8"	6		6		6	
6"	6		6		6	
8"	4		4		4	
10"	4		4		2	
12"	2		2		2	