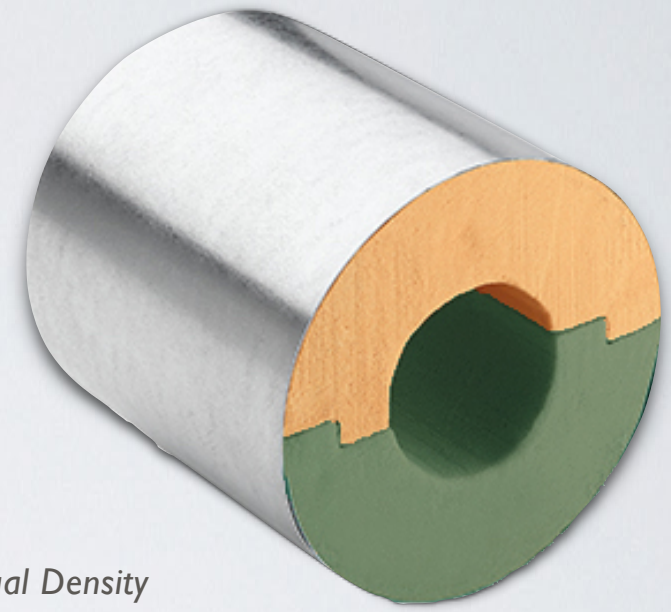
F-1000 Phenolic Foam Insulated Pipe Support

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 360-degree galvanized steel shield which covers the entire 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*

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.
- Phenolic Foam Inserts may utilize higher dual density bottom sections at load point.
- 5/8" to 2.5" pipe = 3 PCF nominal (45+ psi)
- 3 1/8" to 6" pipe = 5 PCF nominal (85+ psi)
- 8" to 12" pipe = 7 PCF nominal (135+ psi)
- Jacket 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.

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 curved metal shield on 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 jobsite fully assembled and ready to install at the pipe hanger locations.
- 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-3000	490	—	—	6	16	6	16	6	16	6	16	6	16	XX
6		600	—	—	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 Box Quantities: 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	30	15	18
1 1/4"	48	30	36	18
1 1/2"	36	21	36	15
2 1/8"	36	21	36	15
2"	20	12	21	15
2 5/8"	18	12	21	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
5"	15	12	6	6
6 1/8"	12	6	6	6
6"	12	6	6	6
8"	6	6	6	6
10"	4	4	4	2