

# F-1000 Phenolic Foam Insulated Pipe Support

## Product

- F-1000 Phenolic Foam Insulated Pipe Support is fabricated from closed cell, moisture resistant rigid thermal insulation.
- The pipe insulation section is covered with a 360-degree galvanized steel shield which runs 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 to 210°F.



## Features

- TPS Phenolic Foam is a cost-effective choice compared to other foam plastic insulations such as XPS or PIR.
- Low density with high compressive strength to support the weight of the pipe at the hangers.
- 5/8" to 2.5" pipe = 35 psi at load point
- 3" to 6" pipe = 80 psi at load point
- 8" to 12" = 120 psi at load point
- Jacket roll formed from G90 galvanized steel per ASTM A-527
- Buy American Act Certified

## Applications

- F-1000 Phenolic Foam Supports are commonly used on domestic cold, domestic hot, hot water heating, rain water leaders and condensate drains 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

- 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 flat surfaces.
- Finished OEM product arrives to jobsite fully assembled and ready to install at the pipe hanger locations.

## Safety

- TPS Phenolic Foam 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	
5/8	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	2 1/8
2	110	125	6	20	6	20	6	20	6	20	6	20	6	20	2 5/8
2 1/2	125	180	6	18	6	18	6	18	6	18	6	18	6	18	3 1/8
3	150	225	6	18	6	18	6	18	6	18	6	18	6	18	3 5/8
3 1/2	200	300	6	18	6	18	6	18	6	18	6	18	6	18	4 1/8
4	250	300	6	16	6	16	6	16	6	16	6	16	6	16	5 1/8
5	See F-3000	490	-	-	6	16	6	16	6	16	6	16	6	16	6 1/8
6		600	-	-	6	16	6	16	6	16	6	16	6	16	
8		750	-	-	6	16	6	16	6	16	6	16	6	16	
10		875	-	-	9	16	9	16	9	16	9	16	9	16	
12		1000	-	-	9	16	9	16	9	16	9	16	9	16	

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	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