

F-4000 Phenolic Foam Insulated Pipe Support

Product

- F-4000 Phenolic Foam Insulated Pipe Support is fabricated from closed cell, fire and moisture resistant rigid thermal insulation manufactured in accordance with ASTM C1126 type III.
- F-4000 features a factory adhered vapor retarder to be used for below ambient temperature process piping.
- The pipe insulation section is covered with a **DOUBLE THICK** 360-degree galvanized steel shield and the vapor retarder extends 1" beyond the metal.
- Low thermal conductivity provides superior insulating performance for mechanical piping systems operating between 0°F and 210°F.



Features

- TPS Phenolic Foam is a cost-effective choice that provides excellent thermal protection and enhanced fire resistance compared to other foam plastic insulations such as XPS or PIR.
- Meets 25/50 flame spread/smoke developed requirements for use within commercial building return air plenums.
- 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-4000 Phenolic Foam 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 and industrial facilities.
- This heavy duty 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 **DOUBLE THICK** curved metal shield on the entire circumference of the insert allows for increased load distribution with any type of structural hanger including clevis and roller hangers or flat surfaces.
- Finished OEM product arrives to jobsite fully assembled and ready to install at the pipe hangers.
- Vapor retarder extends 1" beyond the metal shield to allow simple detailing of the insulation.

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 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	1/2" 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	60	40	70	6	20	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	6	20	7/8
3/4	70	50	80	6	20	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	6	20	1 3/8
1 1/4	100	80	130	6	20	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	6	20	2 1/8
2	180	130	200	6	18	6	18	6	18	6	18	6	18	6	18	2 5/8
2 1/2	200	150	275	6	18	6	18	6	18	6	18	6	18	6	18	3 1/8
3	220	180	300	6	18	6	18	6	18	6	18	6	18	6	18	3 5/8
3 1/2	230	210	380	6	18	6	18	6	18	6	18	6	18	6	18	4 1/8
4	275	240	380	6	16	6	16	6	16	6	16	6	16	6	16	5 1/8
5	330	300	495	-	-	6	16	6	16	6	16	6	16	6	16	6 1/8
6	440	400	605	-	-	6	16	6	16	6	16	6	16	6	16	
8	635	-	800	-	-	9	16	9	16	9	16	9	16	9	16	
10	960	-	1160	-	-	9	16	9	16	9	16	9	16	9	16	
12	-	-	1400	-	-	9	16	9	16	9	16	9	16	9	16	

Full Box Quantities: F-4000 Phenolic Foam				
Pipe Size	1/2" thickness	1" thickness	1 1/2" thickness	2" thickness
5/8"	32	32	18	10
1/2"	22	28	18	27
3/4"	18	28	18	27
1"	40	20	10	21
1 1/4"	28	20	27	21
1 1/2"	28	14	27	12
2 1/8"	28	14	27	15
2"	20	12	21	15
2 5/8"	20	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"	10	12	6	6
6 1/8"	8	6	6	6
6"	8	6	6	6
8"	4	4	4	4
10"	4	4	4	2