



Tru-Balance CoolDry Insulated Saddles

Insulation meets the stringent 25/50 Flame-Smoke Ratings of ASTM E-84



CoolDry Insulated Saddle Saves Energy!
Saves Labor! Saves Money!

Description

The Tru-Balance CoolDry Insulated Saddle is the premier 25-50 Flame/Smoke rated, pre-insulated saddle system in the industry today for commercial piping systems to 250° F. The CoolDry Insulated Saddle consist of a rigid 3.75 PCF Phenolic Foam Pipe Insulation designed for piping to 10" Iron Pipe Size, and 5 PCF Phenolic Foam Pipe Insulation for piping from 11" to 30" Iron Pipe Size.

The product also features a premium vapor barrier membrane with a true perm rating of Zero. The CoolDry Insulated Saddle has no known nutrients that promote mold or fungus problems. CoolDry Saddles also features a flared edge standard Rib or Short-Rib Saddle for a perfect fit inside the clevis hanger, along with a premium self-seal acrylic adhesive tape that secures and seals the pipe insulation in place. The Short-Rib Saddle feature is available for the popular insulation O.D.'s.

Features and Benefits

- Insulation and facing each meet 25-50 Flame/Smoke ratings per ASTM E-84 on a component basis, which makes the product ideal for piping running through air plenums, or projects demanding the 25-50 Flame/Smoke rating throughout the building.
- A rigid 3.75 PCF or 5 PCF Phenolic Foam Insulation that can be used on virtually all piping systems operating to 250°F, for piping to 30" Iron Pipe Size.
- Excellent compressive strength and damage resistance.

- Pipe Insulation and "New" next generation vapor retardant jacketing do not contribute to mold, mildew bacteria, or fungus problems.
- Extremely low "K" factor of .16 at 75°F mean temperature.
- Excellent resistance to moisture penetration due to its high closed cell structure.
- 100% CFC and HCFC free makes the insulation safe for the environment.
- Premium Vapor Barrier with a zero perm rating.
- Extended insulation length past the saddle base allows for a secure tape closure for the adjoining pipe insulation on each side of the CoolDry Insulated Saddle.
- Each saddle features a standard or a partial Short-Rib center rib for a perfect fit inside the clevis hanger and a unique flared edge to prevent damage to the vapor retardant facing and insulation.
- Each unit has a genuine "Quick-Inspect" Tru-Balance sticker applied at the bottom of each saddle for easy jobsite engineer or inspector identification after application.
- Unique "Safe-Pack" packaging protects the insulated support during shipment to the jobsite.

Applications

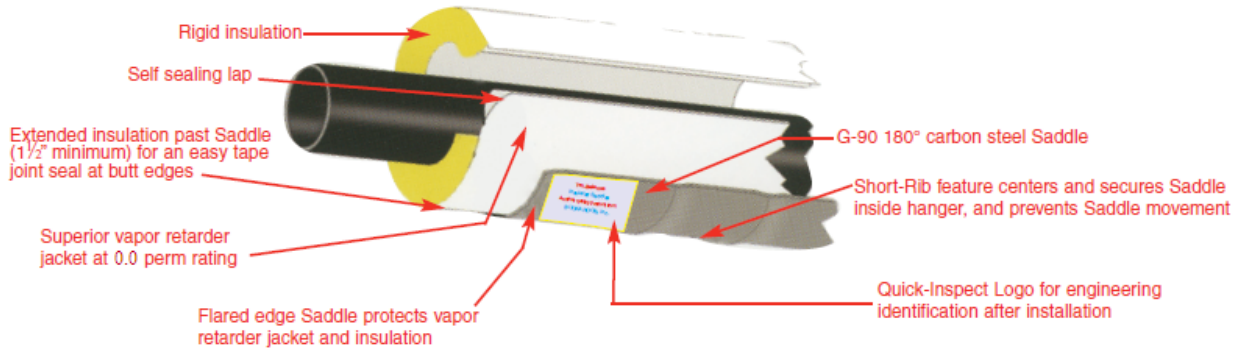
This saddle is ideal for indoor use on all plumbing, heating, chilled water and refrigeration piping from -290°F to +250°F. Because of the insulation's excellent thermal performance and low perm rated vapor retarder jacket, it is the perfect choice for chilled water and other cold piping systems at hanger locations, where most failures are known to occur. The CoolDry Insulated Saddle is ideal for use in schools, hospitals, offices, hotels, food plants, breweries and pharmaceutical plants.

Guide Specifications

At a piping system operating at temperatures to +250° F, install Tru-Balance CoolDry Insulated Saddles wherever pipe insulation passes through a hanger location.

Use insulation with a density of 3.75 PCF for all piping systems to 10" IPS. Use insulation with a density of 5 PCF for all piping systems from 11" IPS to 30" IPS.

CoolDry Insulated Saddle



Technical Data – 25/50 Flame-Smoke Rated Phenolic Foam Pipe Insulation

Physical Property	3.75 PCF	5 PCF	Specification Compliance
Recommended Pipe Sizing	To 10" IPS	11" – 30" IPS	
Thermal Conductivity @75°F	.16 Btu·in/hr·ft ² ·°F	.21 Btu·in/hr·ft ² ·°F	ASTM C-518
Service Temperature	-290°F to +250°F		
Compressive Strength			
Parallel to rise, min	58 lb/in ²	90 lb/in ²	ASTM D-1621
Perpendicular to rise, min	43 lb/in ²	70 lb/in ²	
Water Absorption			
By Volume	.5%	.5%	ASTM D-209
Water Vapor Permeability	.9 perm-inch	.9 perm-inch	ASTM E-96
Specific Heat	.45 Btu/lb-°F		
Closed Cell Content	min. 92%	min. 92%	ASTM D-2856
Surface Burning Testing			
Flame/Smoke Rating	≤ 25/50	≤ 25/50	ASTM E-84

Perfect Vapor Barrier Membrane

The vapor barrier membrane is impermeable to water vapor in accordance with ASTM E-96. It can be wiped clean with a damp cloth, and naturally resists mold formation and accidental puncture. The vapor barrier meets ASTM E-84 25/50 flame and smoke up to 3 inches thick.

Self Seal Lap Premium Acrylic Tape

The premium SSL tape used is an aggressive, high performance acrylic pressure sensitive adhesive that assures a vapor-tight seal when applied at temperatures as low as 10° F. This adhesive has been industry-proven for over twenty years of service.

Product Dimensions

Nominal Pipe Size	Insulation Density	Insulation Length	Saddle Length	Saddle Gauge
1/2" – 3 1/2"	3.75 PCF	9"	6"	20 Ga.
4" – 10"	3.75 PCF	12"	9"	18 Ga.
11" – 18"	5.0 PCF	18"	12"	16 Ga.
20" – 30"	5.0 PCF	24"	18"	14 Ga.



Providing Performance, Quality, Value & Design
 Only from Buckaroos, Inc.
 The Leader in Pipe Insulation Support Systems Since 1990