



Tru-Balance 4300E Insulated Saddles

Insulated Saddle for Cold or Hot Service



Features and Benefits

- A complete composite assembly, for fast and easy installation.
- A 360-degree section of polyisocyanurate pipe insulation for greater thermal efficiency and compressive strength. With a 4.0 PCF bottom support-section and a 3.0 PCF top section.
- A 6 mil thickness, .01 perm rated industrial grade vapor retarder film for superior condensation control.
- A G-90 galvanized steel, Buckaroos 180-degree bottom shield for maximum insulation protection at hanger locations. (A 360-degree self-clamping shield also available.)
- A lock-joint to reduce heat gain/loss along the longitudinal seams to save energy.*

*The lock-joint feature is not available on all sizes.

Description

The Tru-Balance Model 4300E Insulated Saddle is designed primarily for indoor use on cold and hot service. It can be used outdoors if it is protected from the weather protected. **Meets MSS SP-58, 9.2.2 for Type 40 Shields.**

Guide Specifications

The Model 4300E (Extended Insulation) has the insulation extended beyond the saddle for easy application of a tape butt-strip. Always install the specified insulation thickness to insure system performance.

Applications

This saddle is intended for indoor use on refrigeration lines, chilled water lines, cold-process piping and thermal-cyclic systems. Use it on cold systems where control of condensation is a critical requirement. Use it on hot systems up to 300°F to standardize saddle specification. It is ideal for domestic hot water and low-pressure (50# max. pressure) steam lines. Insure complete system integrity by eliminating compromised thermal performance at all hanger and support locations. This saddle saves energy and labor. It can be installed rapidly by any qualified contractor. A wise investment!

Technical Data

Physical Property	Value/Unit	Specification Compliance
Recommended Density	4 Lbs./Cu. Ft. Bottom/ 3.0 Lbs./Cu. Ft. Top	ASTM D-1622
Thermal Conductivity @75°F	.19 BTU in./hr. ft./sq. °F	ASTM C-518
Service Temperature	-297°F to +300°F	Manufacturer Design Limits
Compressive Resistance	80 P.S.I.	ASTM D-1621
Water Absorption Max % by Volume	.5%	ASTM C-272
Shrinkage, Max %	.2%	ASTM D-2126
Vapor Retarder Film: Thickness Average Perm Rating	6 Mil .010	ASTM D-374 ASTM E96-93 UBC

Product Dimensions

Nominal Pipe Size	Insulation Length	Saddle Length	Saddle Gauge
1/2" – 1 1/2"	9"	6"	22 Ga.
2" – 5"	18"	12"	18 Ga.
6" – 10"	18"	14"	16 Ga.
12" – 18"	18"	14"	14 Ga.
20" – 24"	18"	14"	12 Ga.



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The Leader in Pipe Insulation Support Systems Since 1990