HVAC Piping Insulation Protector

AIREX EFLEXGUARD™

E-FLEX GUARD™
HVAC LINE-SET & PIPE INSULATION PROTECTORS

VELCRO* FASTENERS

U.S. Patents #9,091,377 B2
#9,523,200 B2

Copper Piping & Pipe Insulation Are
Shown for Illustration Purposes Only
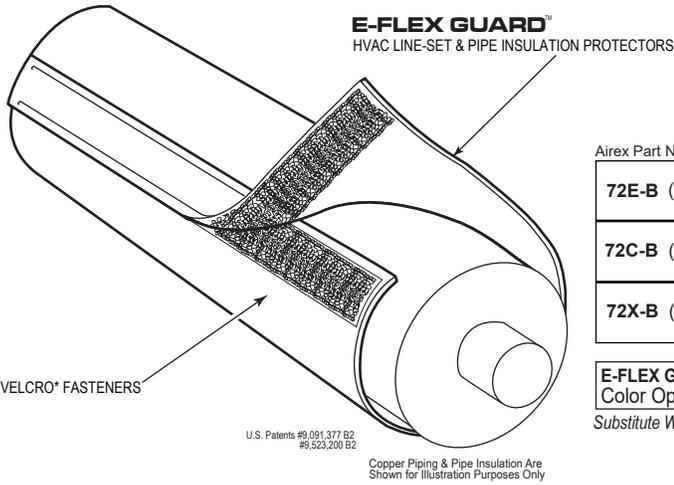
E-FLEX GUARD MODEL NUMBERS

Recommended Sizing Chart

Airex Part Number		
72E-B (6 ft)	Fits: 1/2" wall thickness pipe insulation with 5/8", 3/4", 7/8" tube.	8" Width
72C-B (6 ft)	Fits: 3/4" wall thickness pipe insulation with 5/8", 3/4", 7/8" tube or 1/2" wall thickness pipe insulation with 1-1/8" tube.	9.5" Width
72X-B (6 ft)	Fits: 1" wall thickness pipe insulation with 3/4", 7/8, 1-1/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube.	11.5" Width

E-FLEX GUARD™ Color Options — Black - B ▮ White - W ☐
Substitute White (W) for Black (B)

Product Description and Specification

AIREX E-FLEX GUARD™ - An insulation protective cover by Airex Manufacturing Inc., shall be provided and installed to be flexible, U/V and weather resistant. The PVC plastic pipe insulation cover shall feature an integrated, outdoor-rated durability, industrial-grade, full-enclosure fastening system that is double secured by molecular bonding, allowing custom, cut-to-length installations. The cut-to-length installations shall comprise of a non-un-raveling PVC cover material that does not compromise long-term-effectiveness or require specialized tools and cutting equipment. The engineered fastening system is to allow the cover to be removable and reusable for maintenance without the use of adhesives as an attachment in any way shape or form, including either in the protector's construction, installation, or attachment to pipe insulation, as this will negatively affect insulation permeance performance and promote insulation material degradation which causes added energy usage by equipment. WRAPPING TAPE OR ADHESIVE TAPE SHALL NOT BE PERMITTED AS PER ENERGY CODES. Insulation Protector shall be tested and meet the following testing: ASTM E 96 (Vapor Transmission of Materials), ASTM G 153 (Carbon Arc Light Exposure – Accelerated Weathering), ASTM D 412 (Tensile Strength after UV Exposure and Water Immersion) ASTM 570 (Water Absorption of Plastics), ASTM E 84/UL 723 (Surface Burning Characteristics of Building Materials), ASTM G 21 (Fungal Growth). UV/Protector Pipe Insulation Material shall Meet Class II vapor retarder per ASTM E 96 (vapor/moisture permeability test) "1 perm or less". THE USE OF U/V PAINT OR NON-PERMEABLE MATERIALS OR ADHESIVES ARE NOT PERMITTED FOR THIS APPLICATION. **AIREX E-FLEX GUARD**™ combines U/V weather and physical protection with a Class II rated vapor retarder permeability performance material, as required per energy codes.

Approved PVC Material Performance Testing

Material Testing Standards
- ASTM G153 – Weatherization and UV Exposure
- ASTM E96 – Water/Vapor Permeability
- ASTM G21 – Anti-Fungal/Anti-Microbial
- ASTM D412 - Tension Deformation Test (UV Exposure & Water Immersion)
- ASTM D570 – Water Absorption
- ASTM E84/UL 723 - Flame and Smoke Rating 25/450

750 Series
75 Foot Rolls

Recommended Sizing Chart

Airex Part Number		
750E-B (75 ft)	Fits: 1/2" wall thickness pipe insulation with 5/8", 3/4", 7/8" tube.	8" Width
750C-B (75 ft)	Fits: 3/4" wall thickness pipe insulation with 5/8", 3/4", 7/8" tube or 1/2" wall thickness pipe insulation with 1-1/8" tube.	9.5" Width
750X-B (75 ft)	Fits: 1" wall thickness pipe insulation with 3/4", 7/8, 1-1/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube.	11.5" Width
750V-B (75 ft)	*Single Pipe* Fits: 3/4", 1" wall thickness pipe insulation with up to 2-1/8" tube, 3/4", 1" wall thickness pipe insulation with 1-3/8" tube, 1" wall thickness pipe insulation with 1-1/8" tube. *Double Pipe* Fits: 1" wall thickness pipe insulation with 7/8" tube or 1" wall thickness pipe insulation with 3/8" tube.	14.0" Width

90 Series
90° PVC Insulation Protectors
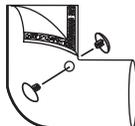
Recommended Sizing Chart

Airex Part Number	
90E-B	90° Angle fits E Series
90C-B	90° Angle fits C Series
90X-B	90° Angle fits X Series

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