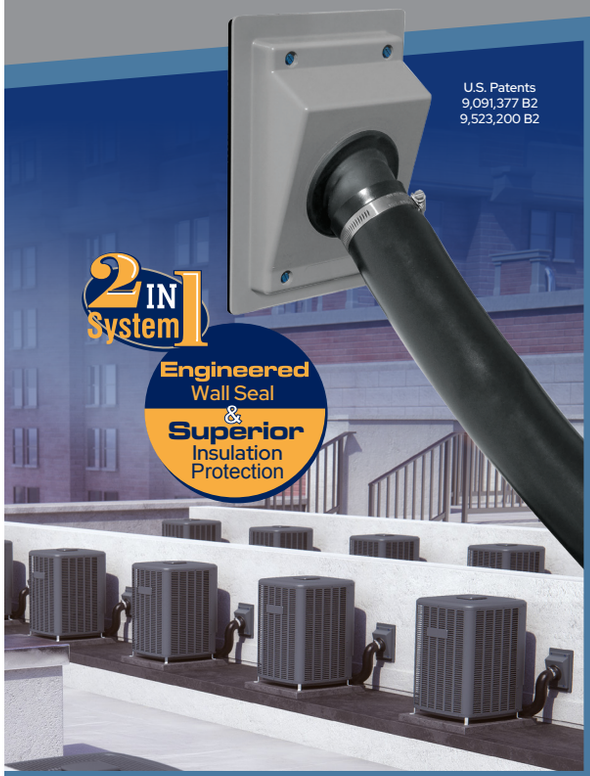
AIREX PROSYSTEMKIT™

Complete Sustainable HVAC & Building Performance

Energy Efficient Product



TITAN OUTLET™

- ✓ Gasket Sealing System Prevents Costly Air Leakage & Moisture Penetration
- ✓ Superior U/V Weather Resistance Durable Material
- ✓ Flexible Elastomeric Sleeve Isolates Piping Against Vibration & Noise
- ✓ Prevents Rodent & Bug Intrusion

E-FLEX GUARD™

- ✓ Outdoor UV/Weather Grade Resistant Material
- ✓ Fast Install with Hook & Loop Fastening System
- ✓ Removable/Reusable for Maintenance
- ✓ Protector & Class II Vapor Retarder (All-In-One)

FULL CODE COMPLIANCE

Air Barrier Penetration Sealing

"Penetrations sealing shall allow for expansion and contraction of materials and mechanical vibration"

International Energy Conservation Code IECC C402.511, R402.412

Refrigerant Pipe Penetration Sealing

wall, floor or ceiling assembly penetrated by a refrigerant pipe shall be sealed in an approved manner

International Mechanical Code 2021, 2024
Uniform Mechanical Code1107.6

Air Leakage

International Energy Conservation Code IECC C402.4.2, R402.1
ASHRAE 90.1

Support of Refrigerant Piping

"...shall be securely fastened to a permanent support within 6 feet (1829mm) of the condenser. "

International Residential Code M1411.8 2021, 2024

Rodent Proofing

International Mechanical Code, Uniform Mechanical Code
International Building Code Appendix F

Refrigeration Piping Vibration & Stress

Uniform Mechanical Code -1111.0 International Mechanical Code

Protection of Piping Insulation

International Energy Conservation Code (IECC) C403.12.1 R403.4
International Residential Code -N1103.4.1 / M1411.61
California Title 24 -120.3
ASHRAE 90.1

TITAN OUTLET APPROVED PERFORMANCE TESTING

- ASTM E283 Standard Test Method for Air Leakage
- ASTM E331 Standard Test Method for Water Penetration
- ASTM E 2178 Air Permeance of Building Material
- ASTM D1525C Temperature Deformation Test
- ASTM D648 Temperature Load Deformation Test
- UL 94 HB Flammability Test
- UL 746C Outdoor Suitability – Rating F1

TITAN OUITLET SLEEVE

- ASTM D573 Deterioration Test
- ASTM D746 Brittleness Temperature Impact Test

E-FLEX GUARD APPROVED MATERIAL TESTING

- ASTM G153 Weatherization, UV, Salt Spray
- ASTM D573-04 Deterioration Test-Tensile Strength
- ASTM E96 Water / Vapor Permeability-Class II
- ASTM G21 Anti-Fungal / Anti-Microbial
- ASTM D570 Water Absorption

LIMITED 10 YEAR WARRANTY

Made in the USA

AIREX Manufacturing Inc.

AIREX PROSYSTEMKIT™

A Combined HVAC Pipe Penetration Wall Seal and Piping and Insulation Protection System

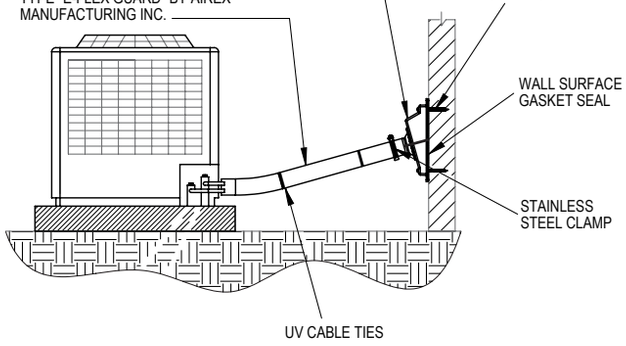
SUBMITTAL SHEET

Energy Efficient Product

Project _____
Contractor _____
Date _____
Specification Reference _____
Comments _____

TITAN OUTLET
EXTERIOR WALL OR PARAPET WALL SEAL
PENETRATION OUTLET WITH ELASTOMERIC LINE-SET
COMPRESSION SLEEVE TYPE "TITAN GS30"
BY AIREX MANUFACTURING INC.

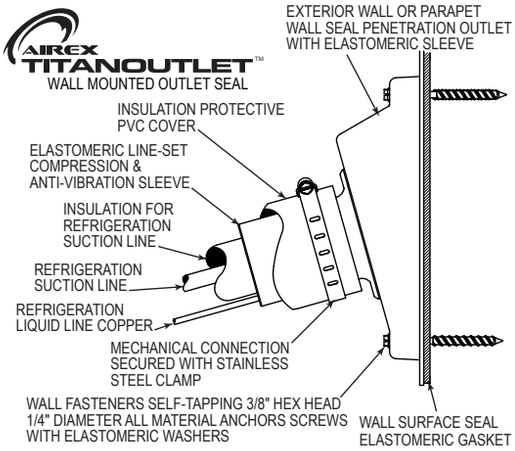
E-FLEX GUARD
INSULATION PROTECTIVE PVC COVER
TYPE "E-FLEX GUARD" BY AIREX
MANUFACTURING INC.



SPECIFICATIONS

AIREX TITAN OUTLET™ - A wall outlet seal by Airex Manufacturing Inc., shall be provided and installed with its compression gasket mounting method and must be fastened to wall surface with supplied ICC-ES listed and approved non-corrosive screws with pre-loaded neoprene washers. Wall Outlet must also integrate an over-molded, flexible, elastomeric sleeve for sealing, supporting and isolating refrigerant pipes to also control vibration. The Wall Outlet shall also feature outdoor-rated durability and shall provide wall sealing expansion and contraction protection features achieved by gaskets and seals as per energy code penetration seal requirements. A stainless-steel clamp must be utilized to create a "Mechanical Connection" between wall seal and pipe insulation protector as intended per mechanical codes to allow for visual inspection of piping and removable/reusable maintenance capabilities intended by energy Code. Outlet shall be designed to co-act with the AIREX E-FLEX GUARD ™ Pipe Insulation Protection Cover. Wall Outlet seal and insulation protector must both be sustainably and securely installed, mechanically fastened together as one, due to piping vibration, and shall be assembled without the use of adhesives or adhesive tapes as per energy code requirements. **Wall Outlet shall be tested and must meet the following testing: ASTM E 331 (Water Penetration), ASTM E 283 (Air Leakage), and ASTM E 2178 - Air Permeance of Building Materials.**

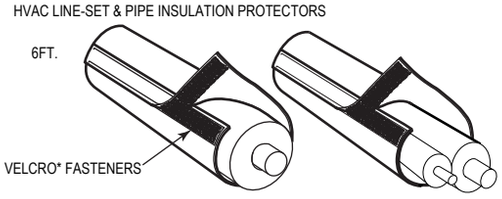
AIREX TITANOUTLET™
WALL MOUNTED OUTLET SEAL



TITAN OUTLET

COLOR OPTIONS
GRAY - G WHITE - W

AIREX EFLEXGUARD™
HVAC LINE-SET & PIPE INSULATION PROTECTORS



E-FLEX GUARD

COLOR OPTIONS
BLACK - B WHITE - W

PROSYSTEM KIT TGS MODELS
Stucco, Masonry Applications

Recommended Sizing Chart

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TGS650G-72EB	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	☐
TGS675G-72CB	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	☐
TGS610G-72XB	(Fits: 1" wall thickness with 5/8", 3/4", 7/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube)	3/4" Wall Insulation Thickness	3.19" (8cm)	☐

PROSYSTEM KIT TRS MODELS
Stucco, Masonry Applications

Recommended Sizing Chart

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TRS650G-72EB	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	☐
TRS675G-72CB	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	☐
TRS610G-72XB	(Fits: 1" wall thickness with 5/8", 3/4", 7/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube)	3/4" Wall Insulation Thickness	3.19" (8cm)	☐

PROSYSTEM KIT TSS MODELS
Siding, Compact Applications

Recommended Sizing Chart

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TSS650G-72EB	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	☐
TSS675G-72CB	(Fits: 3/4" wall thickness with 3/4", 7/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	☐

Custom

				☐

PART # INDEX

TGS 675 G – 72 C B

TITAN MODEL SERIES	TITAN SLEEVE SIZE PIPE WALL INSULATION OR DIAMETER	TITAN COLOR	E-FLEX LENGTH	E-FLEX SIZING*	E-FLEX COLOR	FOR GASKET THICKNESS
TRS, TGS, TSS	650 = 1/2" Wall Ins. 1-3/4" 44.5mm 675 = 2-3/8" 60.325mm *610 = 3-1/4" 82.55mm	G = Gray W = White	72 = 6Ft. 180 = 15Ft.	E = 1/2" Pipe Wall Insul. C = 3/4" Pipe Wall Insul. X = 1" Pipe Wall Insul.	B = Black W = White	Leave Blank for 3/16" 4.76mm Add 34 for 3/4" 19.05mm

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To download CAD & REVIT files; Please visit https://www.airexmfg.com/cad-library/

AIREX Manufacturing Inc.

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