

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

- ✓ Sustainable Gasket Sealing System
- ✓ Seal Allows Expansion and Contraction
- ✓ Prevents Air Leakage ASTM E283 & Moisture Penetration ASTM E331
- ✓ Superior Weather & UV Resistance UL F1 Construction
- ✓ Prevents Rodent & Outdoor Air Intrusion
- ✓ Flexible Sleeve Isolate Piping for Vibration & Noise Reduction
- ✓ Permanent Support for Refrigeration Pipe
- ✓ Optional 3/4" Gasket for Lapsiding



**FULL CODE COMPLIANCE**

**Air Barrier Penetration Sealing**

**"Penetrations sealing shall allow for expansion and contraction of materials and mechanical vibration"** C402.5.1.1, R402.4.1.1, R402.4.1.2

**Air Leakage (Mandatory)**

C402.4 & C402.4.2, C402.5  
International Energy Conservation Code (IECC)  
ASHRAE 90.15.4.3.

**Refrigerant Pipe Penetration Sealing**

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

International Mechanical Code 1109.4 2021, 2024  
Uniform Mechanical Code 1107.6

**Refrigerant Pipe Support**

**"...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 & Uniform Mechanical Codes  
International Building Code Appendix F



**Refrigeration Piping Vibration & Stress**

Uniform Mechanical Code -1111.0  
International Mechanical Code -1109.6

**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 OUTLET SLEEVE**

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

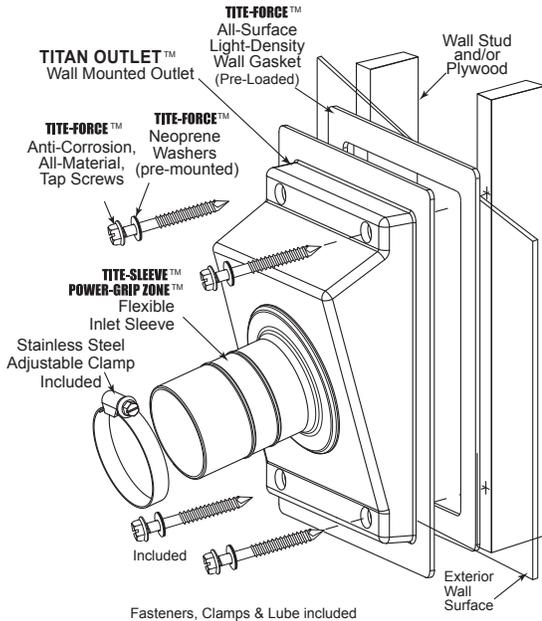


**New 3/4" Gasket**  
Perfect For Sealing Lapsiding, Masonry & Stucco



# SUBMITTAL SHEET

Project \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Date \_\_\_\_\_  
 Specification Reference \_\_\_\_\_  
 Comments \_\_\_\_\_



## 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 as a permanent support for the refrigerant pipe per Mechanical and Residential Codes. 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 and Mechanical 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 and Mechanical Codes. 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 rated UL F and be tested and meet the following testing: ASTM E 331 (Water Penetration), ASTM E 283 (Air Leakage), ASTM E 2178 - Air Permeance of Building Materials, and Protector shall meet ASTM G153, ASTM E96, ASTM E84 / UL 723 Class A.**

## TITAN OUTLET MODEL NUMBERS

### TGS MODELS

Stucco, Masonry Applications

COLOR OPTIONS	
GRAY - G	WHITE - W
<input type="checkbox"/>	<input type="checkbox"/>

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TGS-550-G	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	<input type="checkbox"/>
TGS-575-G	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	<input type="checkbox"/>
TGS-510-G	(Fits: 1" wall thickness with 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)	<input type="checkbox"/>

### TGS 3/4" GASKET

TGS-550-G-34	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	<input type="checkbox"/>
TGS-575-G-34	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	<input type="checkbox"/>
TGS-510-G-34	(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)	<input type="checkbox"/>

### TRS MODELS

Stucco, Masonry Applications

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TRS-550-G	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	<input type="checkbox"/>
TRS-575-G	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	<input type="checkbox"/>
TRS-510-G	(Fits: 1" wall thickness with 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)	<input type="checkbox"/>

### TRS 3/4" GASKET

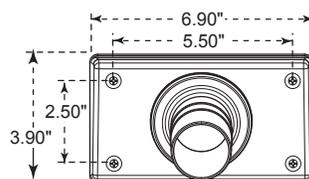
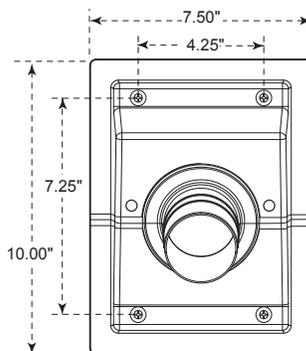
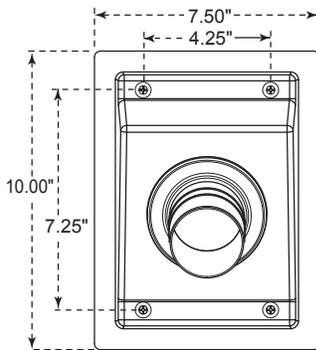
TRS-550-G-34	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	<input type="checkbox"/>
TRS-575-G-34	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	<input type="checkbox"/>
TRS-510-G-34	(Fits: 1" wall thickness 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)	<input type="checkbox"/>

### TSS MODELS

Siding, Stucco, Flat Wall, Compact Installation Design

Model #	Suction Line Insulated	Both Lines Insulated Mini Splits - Heat Pumps	Diameter	
TSS-550-G	(Fits: 1/2" wall thickness with 5/8", 3/4", 7/8" tube)	3/8" Wall Insulation Thickness	1.70" (4cm)	<input type="checkbox"/>
TSS-575-G	(Fits: 3/4" wall thickness with 5/8", 3/4", 7/8" tube or 1/2" wall thickness pipe insulation with 1-1/8" tube)	1/2" Wall Insulation Thickness	2.38" (6cm)	<input type="checkbox"/>

Shown above are part numbers for Gray. To order in White, Substitute G with W.



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