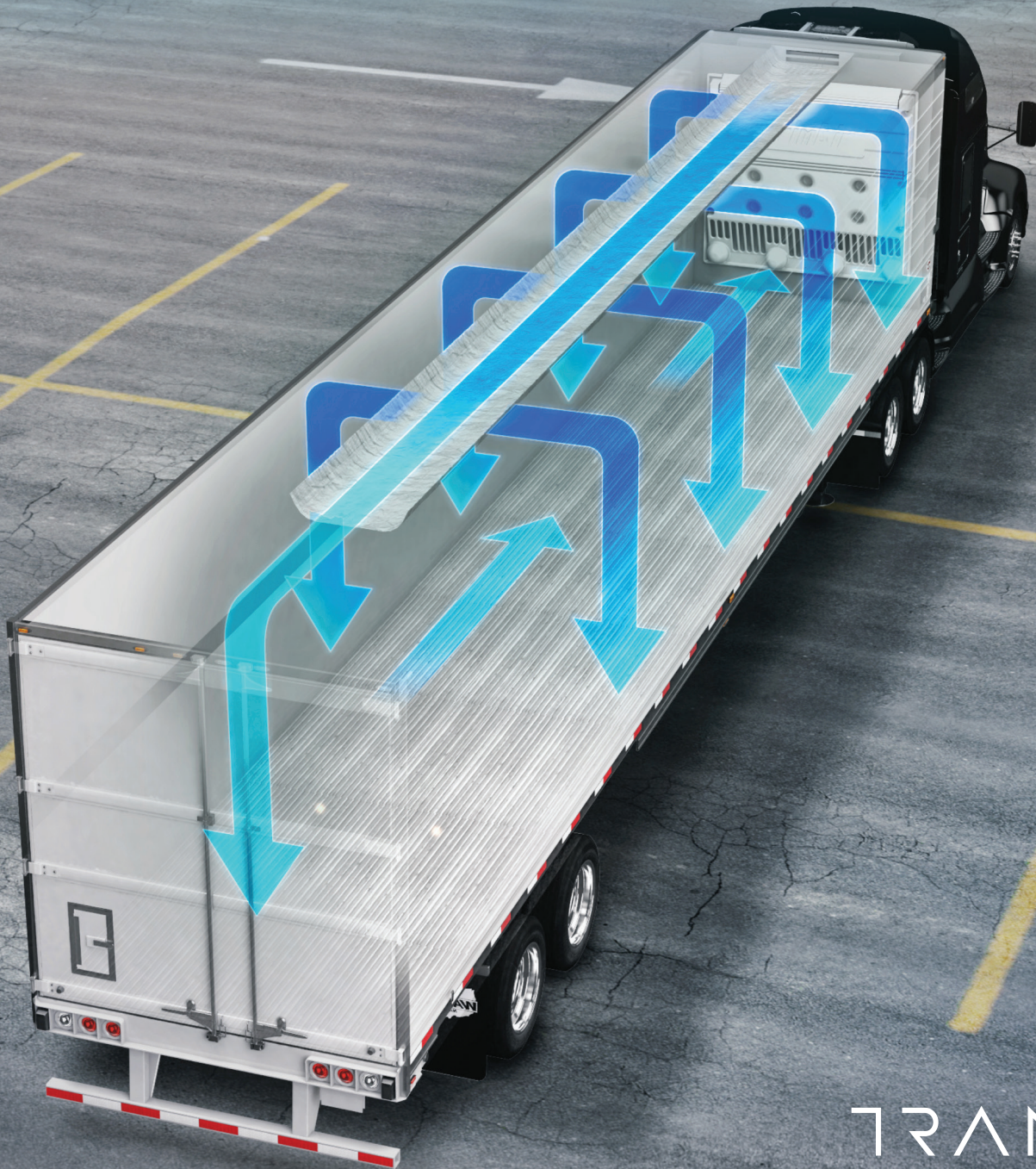




PrimAir™ Air Management Systems

A complete line of solutions for improving the temperature management of your cargo.



TRANE
TECHNOLOGIES



MAXIMIZE EFFICIENCY AND TEMPERATURE CONTROL WITH PRIMAIR™ AIR MANAGEMENT PRODUCTS

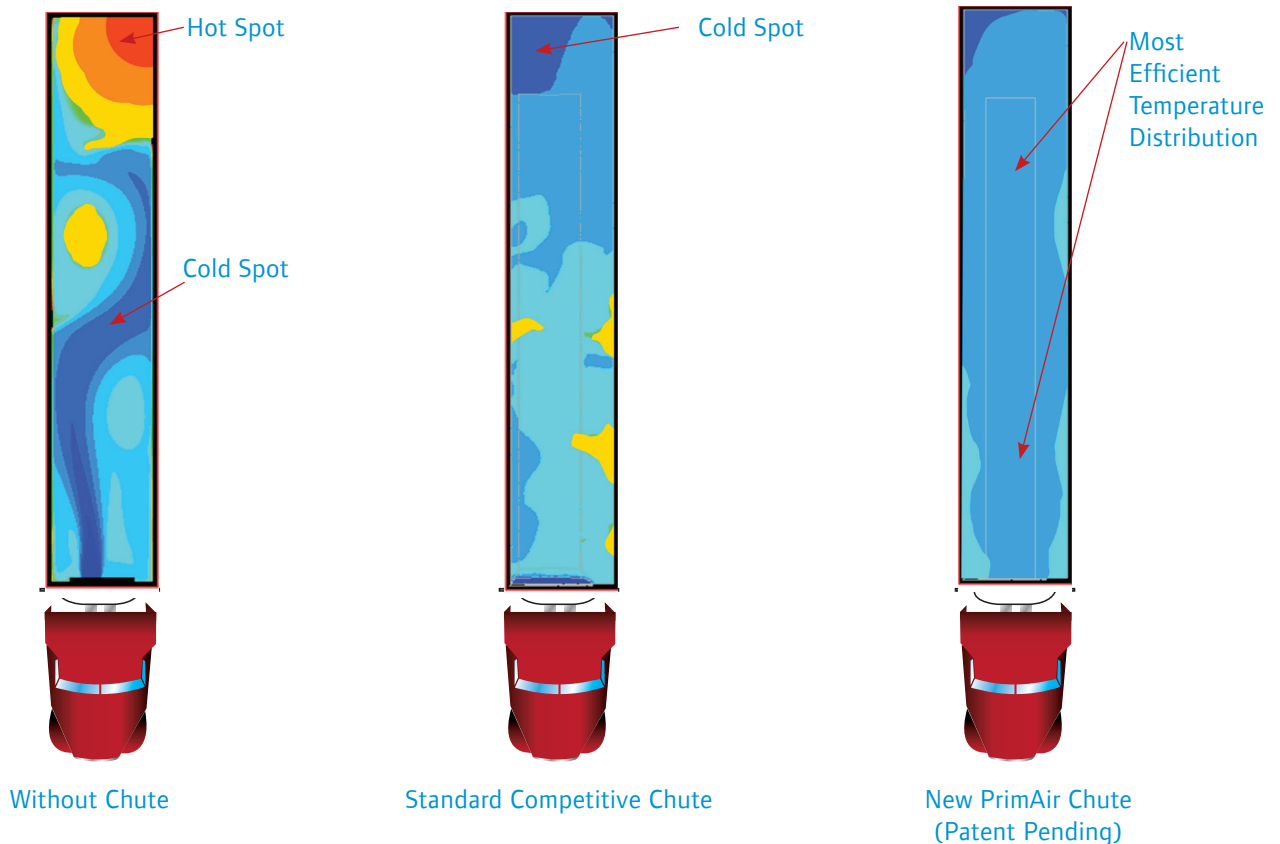
Proper airflow from the refrigeration unit in a trailer is critical to ensure even temperature distribution within the trailer. The use of chutes is critical to prevent top-freeze in produce hauling, and using a return air bulkhead helps reduce the risk of short-cycling.

The full line of PrimAir chutes, return air bulkheads and insulated bulkheads can be used to ensure optimal airflow and even temperature distribution, reducing hot spots in a trailer that can negatively impact the quality of the product being transported.

WHY USE CHUTES?

- To reduce temperature variance within a trailer
- To prevent top freeze on produce
- To deliver airflow throughout the trailer and ensure a consistent temperature for protection of the load

TEMPERATURE DISTRIBUTION



Results based on Thermo King CFD analysis on loaded trailer.

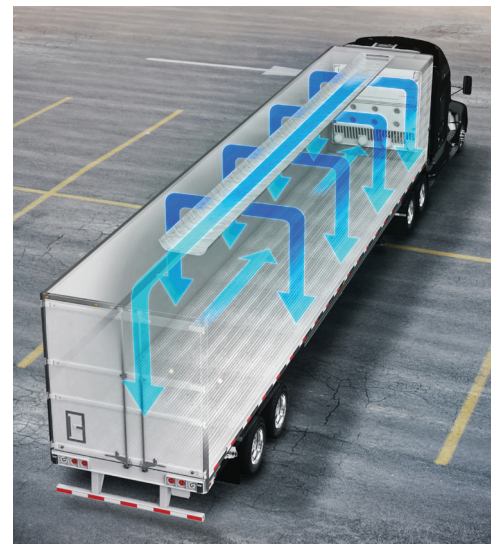


PRIMAIR™ CHUTE SYSTEMS

DESIGNED FOR THERMO KING PRECEDENT® UNITS

PRIMAIR CHUTE SYSTEMS FEATURES:

- Ramped, mesh discharge end to prevent chute tear-down during loading
- Drive rivets and spacers included*
 - Spacers create side-air discharge, minimizing temperature variance throughout trailer
- Industry-leading tear strength and tensile strength for long life and durability
- High quality, easy-to-clean materials
- Heavy-duty brass grommets for easy installation
- 10 ft of velcro included on end of chute for minimizing chute damage during loading
- Full velcro chutes feature ramped mesh end and full-length velcro for maximum protection against damage during loading
- All adapters come standard with velcro attachment



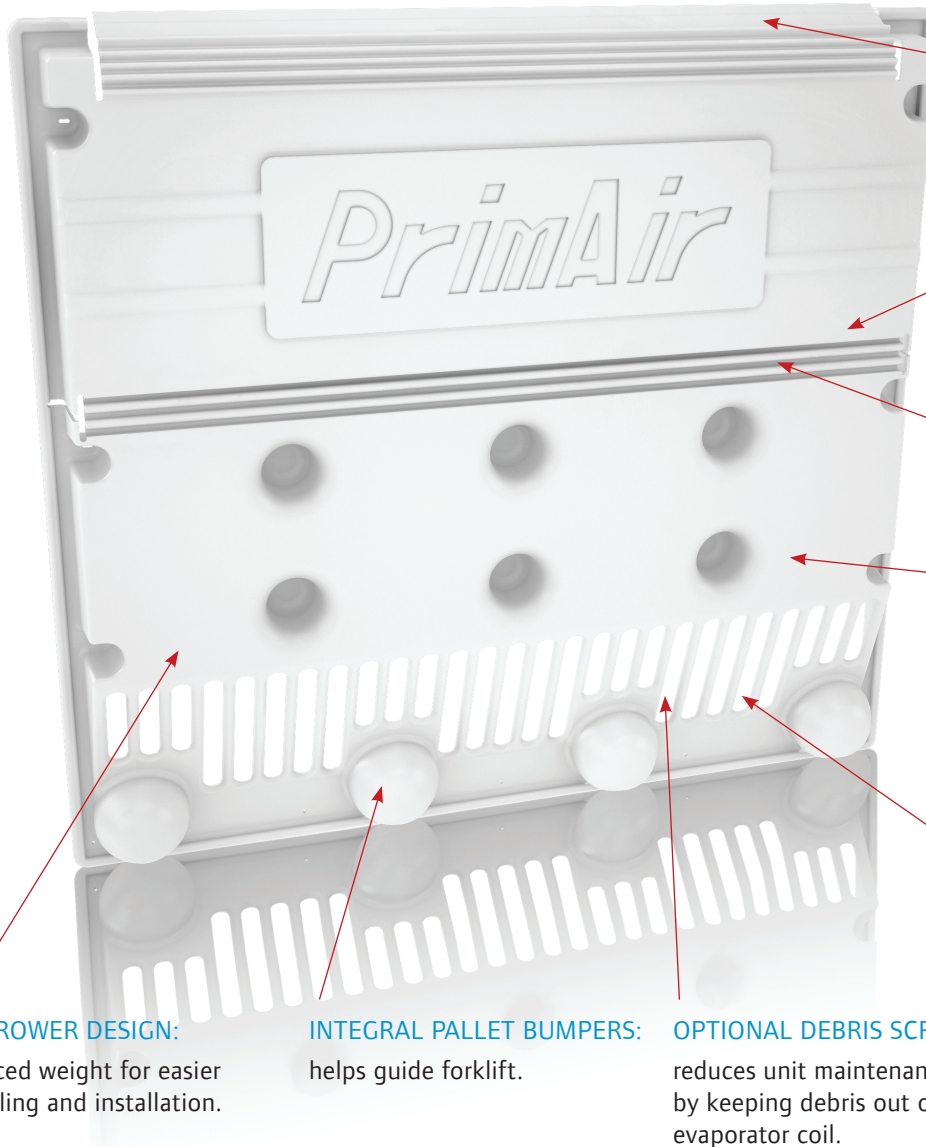
PRIMAIR CHUTES AND ADAPTERS

Part Number	Description
2013064	43' vinyl chute with mesh end, hardware included
2013065	38' vinyl chute with mesh end, hardware included
2013066	43' polyethylene chute with mesh end, hardware included
2013075	43' vinyl chute with mesh end, full velcro, grommet front
2013073	43' vinyl chute with mesh end, pop-up style
2013077	Adapter bracket for Thermo King Precedent Units
2013023	10 inch offset adapter bracket for Thermo King SB and SB+ units
2013024	17 inch offset adapter bracket for Thermo King SB and SB+ units
2013036	4' velcro strip for chutes

*Drive rivets and spacers not included on full velcro chute.



PRIMAIR ONE-PIECE RETURN AIR BULKHEAD



NARROWER DESIGN:
reduced weight for easier handling and installation.

INTEGRAL PALLET BUMPERS:
helps guide forklift.

OPTIONAL DEBRIS SCREEN:
reduces unit maintenance by keeping debris out of evaporator coil.

NO TRIMMING REQUIRED:
installation is easy compared to other bulkheads.

RIGID, HIGH-DENSITY POLYETHYLENE MATERIAL:
resists damage and meets FDA guidelines for food handling.

HINGED TOP:
folds down for easy access to the evaporator.

SUPPORT POD CONFIGURATION:
provides mounting to front wall supports of any brand of trailer.

LARGE AIR INTAKES:
creates the lowest pressure drop of any one-piece bulkhead for greatest efficiency.

**DESIGNED TO MAXIMIZE REFRIGERATION
UNIT EFFICIENCY.**



DESIGNED FOR PRECEDENT

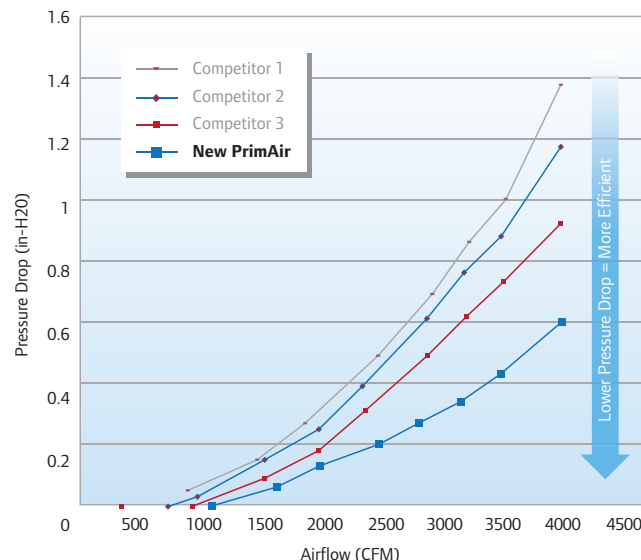
The PrimAir return air bulkhead was designed to work perfectly with Thermo King’s Precedent units. While the bulkhead is compatible with older Thermo King and Carrier® units, it has been optimized to deliver the best airflow possible from the Precedent unit.

EASIER TO HANDLE AND INSTALL

The bulkhead design is narrower than previous and competitive models, making it lightweight and easy to handle during installation and allowing for easier service access.

One Piece Return Air Bulkheads

Pressure Drop Across the Bulkhead



MAXIMIZES UNIT EFFICIENCY

The PrimAir bulkhead also has larger air inlets, which are shaped to reduce the amount of pressure drop seen across the bulkhead. This lower pressure drop means the refrigeration unit works more efficiently – reducing fuel consumption and wear on the fans.

EASY SERVICE ACCESS

With the PrimAir bulkhead, servicing the evaporator is a whole lot easier. By simply unlatching the top half of the bulkhead, it can be lowered to provide access to evaporator, a highly practical design that saves on maintenance time.

MINIMIZE MAINTENANCE

Adding a debris screen to the return air bulkhead is a smart way to improve the efficiency of your refrigeration unit and reduce maintenance. By trapping plastic wrap and other debris before it gets to the evaporator coil, the unit runs more efficiently and the debris can be cleaned out without accessing the evaporator.

EXCEPTIONALLY DURABLE

The PrimAir bulkhead is constructed of a thick polyethylene material. It is strong, durable and resistant to damage from the cargo. The non-porous material is easily cleaned and specifically approved by the FDA for contact with food products.

UNIVERSAL DESIGN

The PrimAir bulkhead fits all Thermo King and Carrier® wide post models. The support pod configuration provides contact points for attaching to the trailer front wall supports, regardless of the trailer manufacturer. The bulkhead does not need to be attached to the evaporator itself.

PRIMAIR RETURN AIR BULKHEADS

Part Number	Description
2013044	PrimAir Return Air Bulkhead, White
2013045	PrimAir Return Air Bulkhead, Black
2013048	PrimAir Return Air Bulkhead, White, with Debris Screen
2013053	PrimAir Return Air Bulkhead, Black, with Debris Screen
512615	PrimAir Return Air Bulkhead Hardware Kit



PRIMAIR™ SPLIT AIR CHUTE SYSTEM



The PrimAir Split Air Chute System is designed to provide uniform temperature throughout the entire trailer. The unique diverter evenly distributes air to each side chute, which then guides the air to the rear of the trailer.

All components feature a USDA-approved food grade surface to help maintain a safe environment inside the trailer.

FEATURES:

- Chute design minimizes loading damage
- Optimal air flow
- More accurate temperature readings
- Special fasteners allow for easy access to unit
- Universal design fits most units
- USDA-approved surface
- 100% recyclable

PrimAir Split Air Chute System

48' Vinyl TK-RMSD48

48' Mesh TK-RMSD48MSH

PRIMAIR™ TWO-PIECE RETURN AIR BULKHEADS



Reduce short-cycling and maintain uniform product temperatures with this easy-to-use bulkhead. It takes less than one minute to remove the bulkhead to access the refrigeration unit. Replace pallet stops as needed without replacing entire bulkhead. No tools needed!

PRIMAIR TWO-PIECE RETURN AIR BULKHEAD

BulkheadTK-VORTEX

Additional Pallet Stop VRABHDWKTPS

FEATURES:

- Patent-pending installation design
- Pre-installed filter screen prevents debris from entering unit
- Made from rotationally molded pure polyethylene for uniform thickness

System includes bulkhead, 2 pallet stops, mounting hardware and filter screen.



PRIMAIR™ INSULATED BULKHEADS



THE BEST OF BOTH WORLDS

The PrimAir Insulated Bulkhead is designed and constructed for exceptional durability at an extremely light weight. Easy on loaders and easy on drivers!

PRIMAIR INSULATED BULKHEAD

Bulkhead TK-PRIMAIR-IB

OPTIONS

- Nylon Web Strap ESTRAPKIT1REF
- Adjustable Vent..... VENT
- Bulkhead Stenciling (10 letters)BH-STN01

FEATURES:

- 3" closed-cell core that prevents bacteria growth
- EPP foamcore is 100% recyclable
- Integrated flexible impact liner that reduces damage during loading and unloading
- Heat-welded seams that seal out moisture and bacteria
- Scuff guard minimizes damage to bulkhead
- Zero fasteners in the impact zone eliminate damage to scuff guard
- Limited warranty

Weight: Less than 65 lbs. at a height of 102 in.

CENTER PARTITION PRODUCTS - CUSTOM-MADE FOR YOUR NEEDS

- Improved efficiency - more deliveries with fewer units
- Improved food safety - access only the compartment you need (food grade surfaces)
- Improved driver safety - unload tow or three lanes from rear of trailer



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938. For more information, visit thermoking.com or tranetechnologies.com.

