

# Air Curtains and TUTCO Farnam Crossflow Blower Heaters

An **air curtain** is a fan-powered device that creates an invisible air barrier between two connected environments. By producing a continuous stream of air across an opening, air curtains separate interior and exterior spaces without obstructing movement of people, vehicles, or carts. In heated air curtains, **TUTCO Farnam Crossflow Blower Heaters** are used to deliver warm, uniform air across the opening, ensuring comfort in colder climates while maintaining an energy-efficient environment.

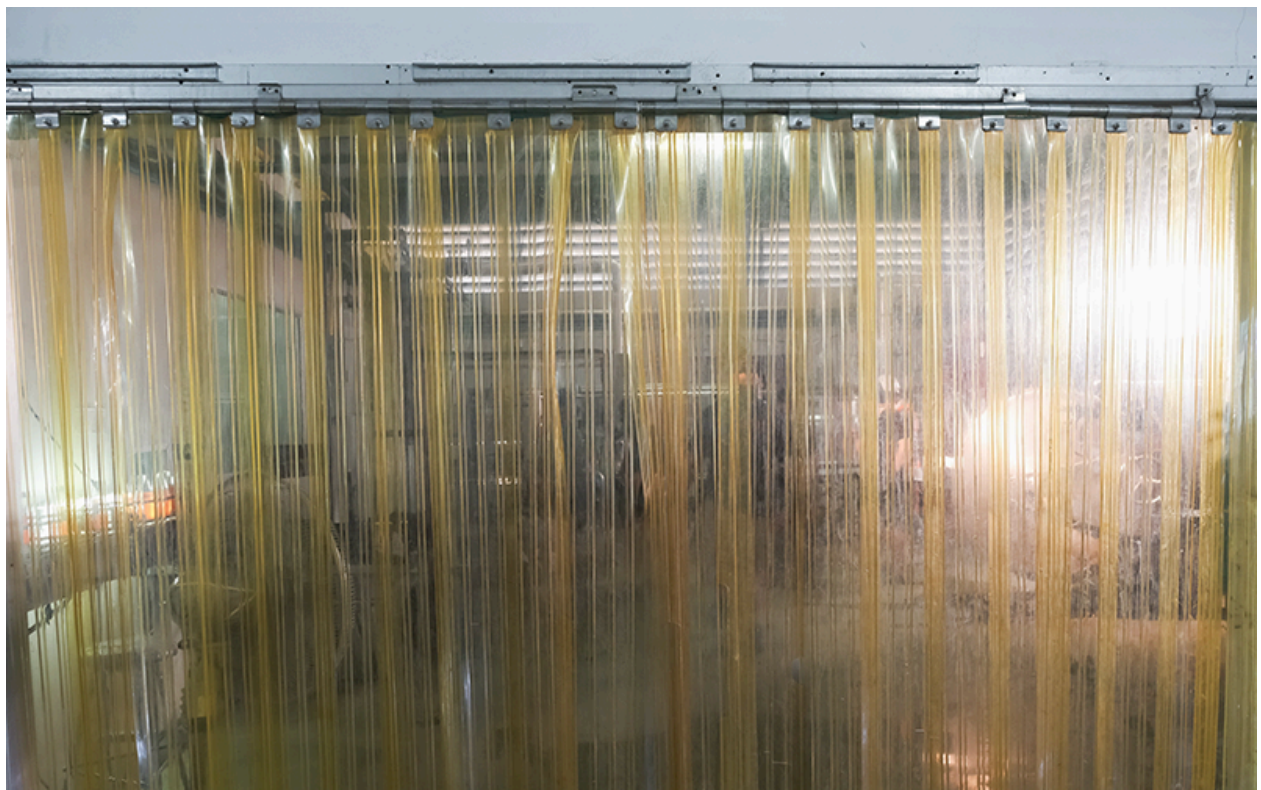
These heaters provide **precise, consistent heat**, creating a warm air stream that people pass through seamlessly. Beyond comfort, this barrier reduces energy loss, protects climatized air, prevents dust, fumes, smoke, and flying insects from entering, and reduces HVAC system strain—helping facilities save on operating costs while maintaining healthier, cleaner spaces.

## How Air Curtains Work

Air curtains deliver a uniform flow of air across the width of an opening, forming an effective barrier between two environments. Unlike plastic strips or other low-cost alternatives, heated air curtains equipped with TUTCO Farnam Crossflow Blower Heaters provide a reliable, energy-efficient, and sanitary solution. These heaters are engineered to match the tangential blower's wide, shallow airflow, ensuring even heat distribution with minimal hotspots or drafts.

This combination of precision heating and airflow control makes air curtains ideal for a wide range of applications, including:

- Retail stores and restaurants
- Industrial facilities and warehouses
- Cooler and freezer walk-in storage
- Drive-thru windows and transportation terminals
- Healthcare and hospital environments
- Cleanrooms and electronics manufacturing
- Specialty applications requiring unobstructed, heated airflow in harsh or humid conditions



Engineering service and support is a big part of what we do. Offered on an application by application basis. With over 2,000 unique heating element designs, chances are we have done something similar to your project.

## Key Benefits of Air Curtains with Crossflow Blower Heaters

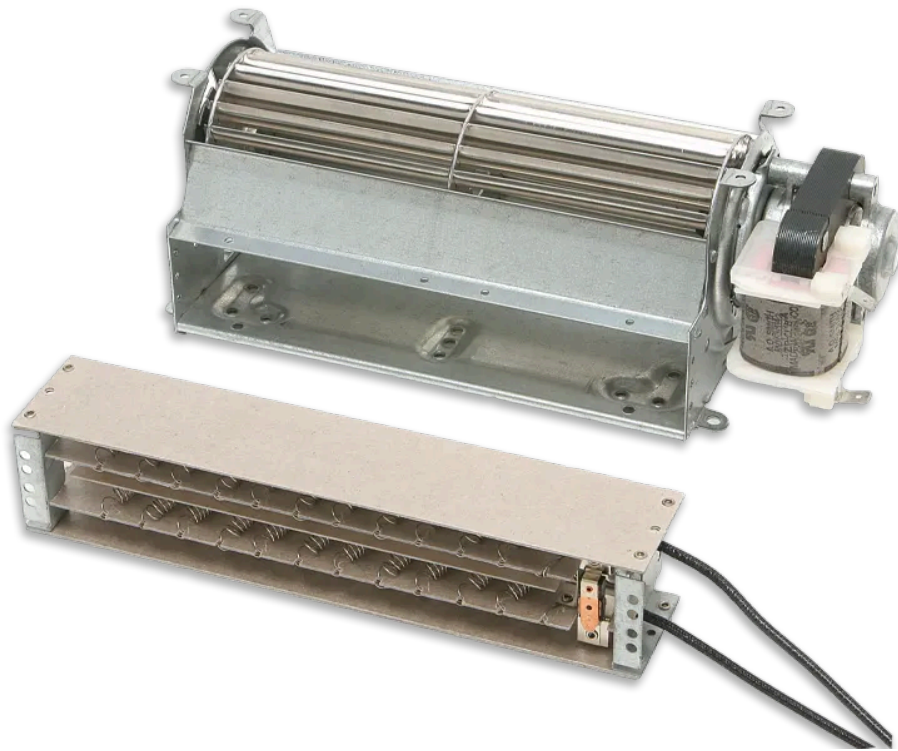
- Maintains access for people, vehicles, and equipment without physical obstruction
- Reduces annual heating costs, achieving energy savings of up to 80%
- Enhances comfort by maintaining stable internal temperatures
- Keeps interiors cleaner by blocking pests, dust, odors, and airborne pathogens
- Provides consistent, even heated airflow thanks to precision-engineered crossflow blower heaters

## Let's Talk About Crossflow Blower Heaters for Air Curtains

TUTCO Farnam offers a variety of crossflow blower heaters specifically designed for OEM air curtain systems. With UL-recognized components, low thermal mass for fast response, and customizable sizes, wattages, and voltages, these heaters deliver reliable, uniform heating while minimizing energy use and maintenance requirements. Whether you are designing a high-performance air curtain for comfort, energy savings, or environmental control, TUTCO Farnam provides the precise heating solutions your system demands.

**Learn more about TUTCO Farnam Crossflow Blower Heaters** and how they can enhance your heated air curtain applications.

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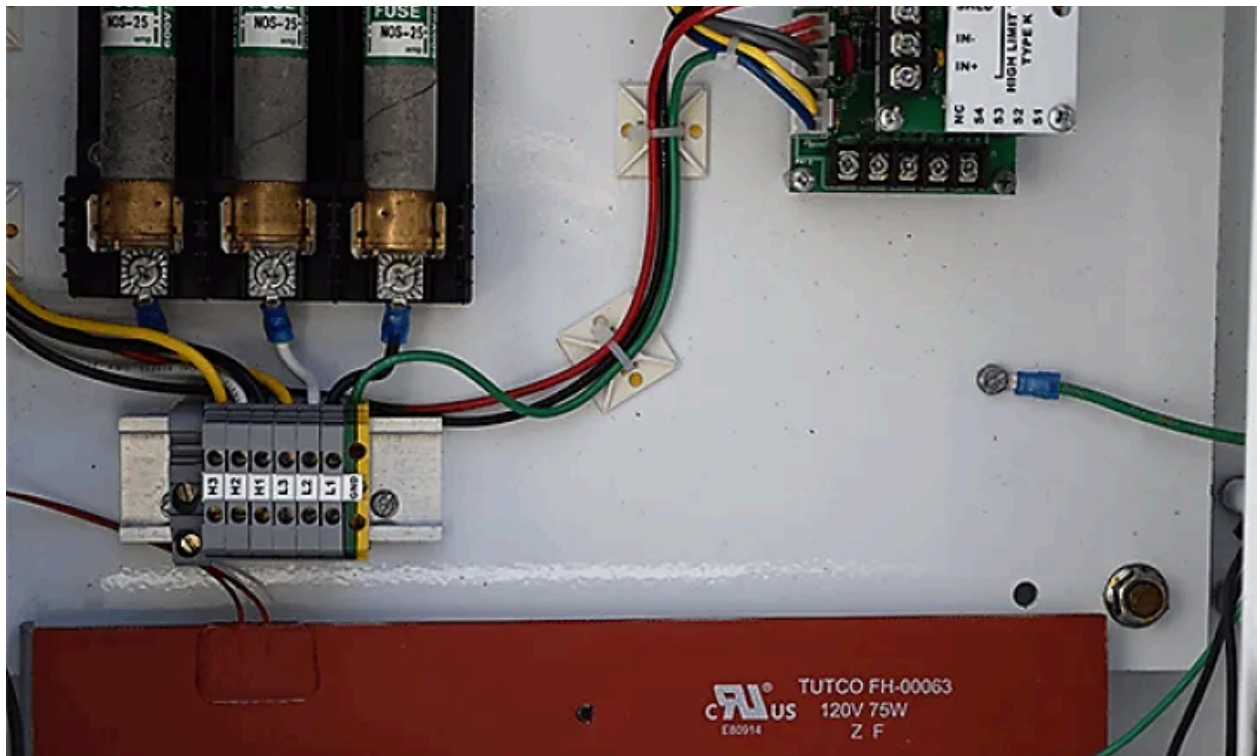
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