

Tunnel Shutters

Tunnel Shutters® are the optimal solution for allowing smooth laminar airflow into the house with no door turbulence—aiding with ventilation while simultaneously preventing air leakage for significant energy savings.



Smooth Operation. Ultimate Insulation.

For years, the curtains and tunnel doors used in livestock houses and barns have increased producers' energy costs due to the curtain's lack of insulation and the air leakage that results as tunnel door cables stretch under the stress of negative static pressure. Curtains require frequent replacement and tunnel doors need constant maintenance and adjustment. Tunnel doors can also hinder operations since they open to the inside.

The Tunnel Shutter's maintenance-free rack and pinion drive system eliminates the need for cord or cable adjustments, and the innovative design allows the shutters to open to the outside—eliminating operating issues common with curtain and tunnel door systems.

Diversified has simplified tunnel ventilation and extended product longevity with our Tunnel Shutters. Rather than fighting against the negative static pressure of a house or barn, Tunnel Shutters utilize the negative pressure to create a tight seal. Plus, the 2-inch-thick coated-galvanized steel shutters are insulated with foam-filled expanded polystyrene to deliver an R9 insulation value that drastically reduces energy costs.



ADJUSTABLE AIRFLOW ANGLES
FOR DIRECTING COOLED AIR



TUNNEL SHUTTER FEATURES

BENEFITS



Allows smooth laminar airflow into the house with no door turbulence

Improves airflow patterns and speeds, minimizes static pressure loss, improves fan efficiency



2-inch-thick coated-galvanized steel shutters insulated with foam-filled expanded polystyrene

Provides R9 insulation value for significantly reduced energy costs



Maintenance-free rack and pinion drive system

Eliminates need to adjust control cords



Innovative design uses negative air pressure to create a tight seal

Significantly reduces leaks regardless of number of running fans



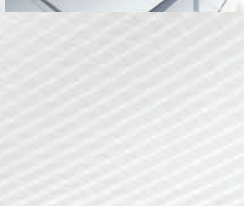
Shutters do not protrude into the house/ barn

Will not interfere with operations



Airflow angle can be varied for directing cooled air into the house/barn

Creates a better mix of cooled air at bird level



Mountable on outer walls or within cooling cell dog houses

Simple, inexpensive installation; saves money by eliminating the need to construct new end wall dog houses

Design allows for sectional use of shutters during hot weather for vent assist or tunnel transition

Allows fewer fans to run, decreasing energy costs while improving tunnel air flow efficiency

Tunnel shutter sections can be matched to cooling pads to only send water to open sections

Saves water and associated utility costs

Made for all seasons and climates, indoor and outdoor use

Complete product benefits delivered year-round

TECHNICAL SPECIFICATIONS

Width	4 foot modular units
Height	Available in 4 foot, 5 foot and 6 foot units; can be stacked for multi-level house installation
Length	Units connect to provide any desired length
Installation areas	Mountable on outer walls, within cooling cell dog houses, indoors or outdoors
Special considerations	U-joints available for over door or over equipment installation

"We have noticed a very significant savings in propane through this last winter on our house with Tunnel Shutters® compared to all of our other houses."

Shannon Smith, Smith Poultry, Alabama

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