



DAIRY TIMES

Volume 24

Bringing you proven and tested
products since 1973

www.doublel.com

MEET
OUR
TEAM



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Since 1973, Double L Group has committed to providing high-quality products and services worldwide that are based on value, customer needs, and excellent sales support. Our team of dedicated professionals are ready to help you choose the right products and answer any questions about installation. Contact us today!



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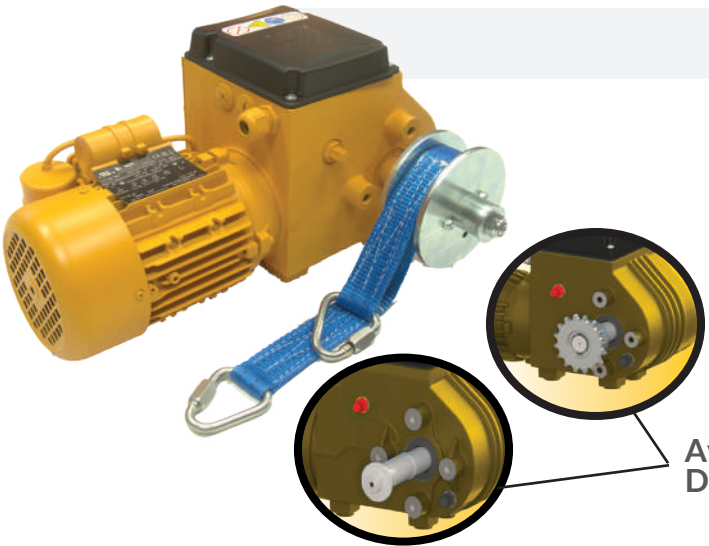


ECODRIVE WINCH SYSTEMS

Delivering Optimal Power for Ventilation Systems

- Flexible installation
- Multiple inlets can be controlled at the same time
- Low-maintenance and low-noise
- Perfect Price/Performance Ratio
- Compact and Smart Design
- Includes emergency limits

1 Year
Warranty



EcoDrive 300

Part	#17001 Belt Drive
Part	#17003 Pipe Drive
Torque	300 Nm
Belt Speed	28 in./min.
Pulls	1 Belt = 809 lbs/belt
	2 Belts = 1050 lbs/belt or 2100 total
Voltage:	0.35 HP 115V 1 Phase 60hz

Available for Pipe or Belt
Drive Applications

EcoDrive 90

Part	17002
Torque	90 Nm
Belt Speed	6 in./min.
Pulls	1 Belt = 750 lbs/belt
	2 Belts = 386 lbs/belt or 772 total
Voltage	24 DC





COMING SOON

New EC3 Motor Fan Lines

DX HANGING FANS

- Improved energy efficiency with its EC motor technology
- Operates with a direct drive motor
- Engineered with maintenance free motor
- Optional installation; steel column, structural column, or ceiling hung
- Includes six deflectors used for air direction
- Designed to accommodate a misting system for cooling and dust suppression



DX 55"
DX 72"

DIRECTX EXHAUST FANS

- Designed with corrosion-resistant fiberglass reinforced plastic housing
- Durable drive system
- Engineered with a maintenance free motor
- Produces cfm's with minimal noise
- High energy efficiency
- Convenient 0-10V analog control



DirectX 51"
DirectX 57"
DirectX 72"



DX COOLING FAN

- Uses direct drive motor with no maintenance
- Easy installation and operation
- Engineered with a corrosion resistant, galvanized shell
- Improved energy efficiency with its EC motor technology
- Delivers a strong load capacity at high speed stability
- Convenient 0-10V analog control
- Water and dust resistant- IP67



DX 36"



DX PANEL FAN

- High tech composite blades
- Durably built with a plastic molded panel
- Produces cfm's with minimal noise
- Protected with a wire guard on inlet and outlet of the panel
- Multiple installation options



DX 48"



DIRECTAIRE STIR FANS

Steel bearings and 1/5 HP sealed motor for years of long life

- Mixes Cold Floor Air with Hot Ceiling Air
- Less Heater Cycles
- Widespread Grill Guard
- Included Mounting Bracket
- 2-speed circulation fan – high and low settings
- Extra Amps to spare
- Excellent Thrust CFM
- 3-Year Warranty
- UL LISTED AND UL LISTED TO CANADIAN SAFETY STANDARDS



18" Stir Fan

Part 90618
21" diameter x 7.25"
BESS Labs Test c22270

20" Stir Fan

Part 90614
22.8" diameter x 7.3"
BESS Labs Test c22271

24" Stir Fan

Part 90600
29" diameter x 9"
BESS Labs Test c22272

BLADE DIAMETER	HP	VOLTS	AMPS	HZ	SPEED	LOW CFM	HIGH CFM	PHASE
18"	1/5	120	0.94	60	2	1670	1890	1
20"	1/5	120	1.07	60	2	1980	2230	1
24"	1/5	120	1.2	60	2	2750	2950	1

DIRECTAIRE PLUS STIR FANS

- Up 15% more CFM compared to the original DirectAir
- New rotor motor technology allowing the motor to run cooler
- Brushless motor allows for smoother operation
- IP54 motor rating
- Powder coated, steel blades
- Two speed rotor motor
- Included Mounting Bracket
- 3-Year Warranty



18" Stir Fan

Part 90718
24" diameter x 4.8"
BESS Labs Test c22275

20" Stir Fan

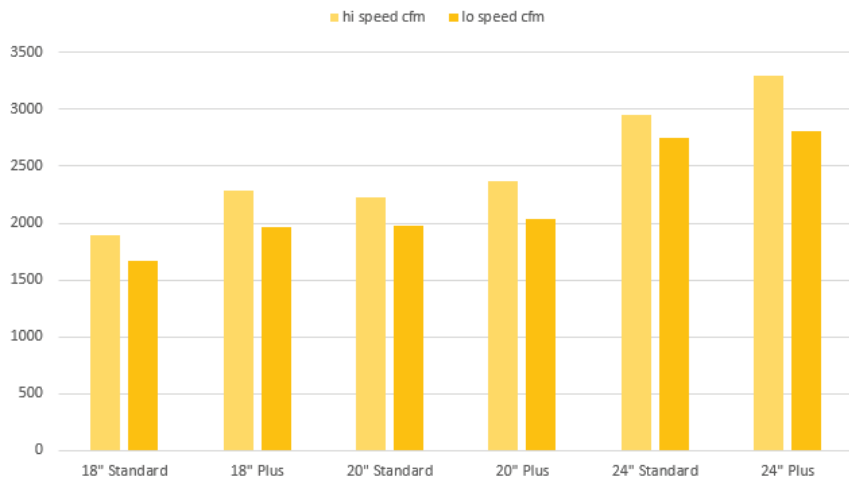
Part 90720
25.6" diameter x 5.1"
BESS Labs Test c22274

24" Stir Fan

Part 90724
30" diameter x 5.6"
BESS Labs Test c22273

BLADE DIAMETER	HP	VOLTS	AMPS	HZ	SPEED	LOW CFM	HIGH CFM	PHASE
18"	1/5	120	1.3	60	2	1970	2280	1
20"	1/5	120	1.3	60	2	2040	2379	1
24"	1/5	120	1.4	60	2	2810	3300	1

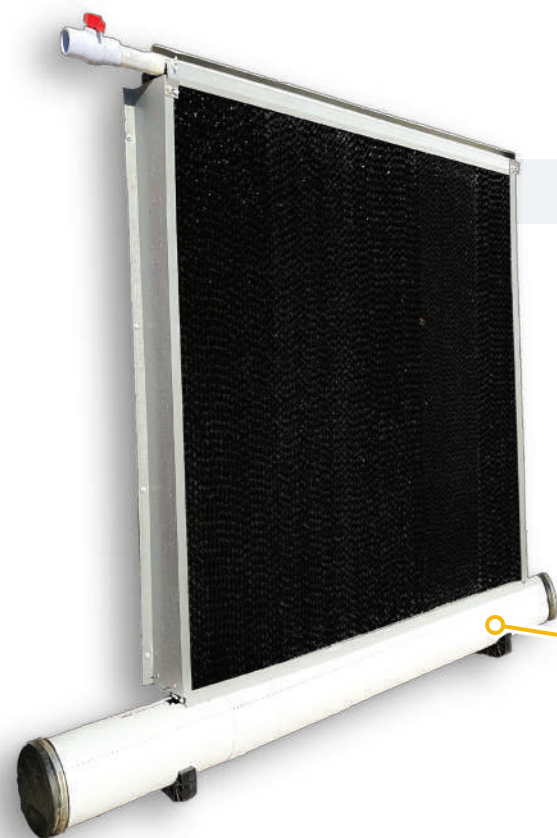
DirectAir Standard vs. DirectAir Plus Stir Fans



NEW
PRODUCT

DIRECTAIRE COOL CELL

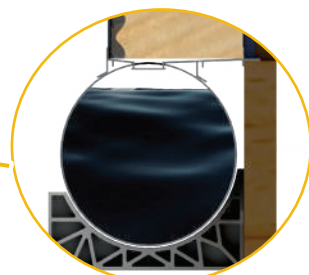
The DirectAire Cool Cell system is our corrosion resistant system for cooling to provide longevity, efficiency, and easy maintenance for the grower to utilize in their barn.



DirectAire Cool Cell

Part 31150

Internal Water Capacity: 2.6 gal per ft.
12" tank capacity: 23.5 gal
Pad Thickness: 6"
Pad Height: Size varies between 36"-72"



Extend pad life: designed to keep the pad from sitting in water

- Unique trough design allows 20% increase in water capacity than other systems
- Durable, UV resistant, plastic design that is corrosion resistant
- Open-top design allows for visual inspection of water jets and easy access for cleaning
- Features less components for quick and easy installation
- Multiple layouts to fit your specific needs

NEW
PRODUCT

EVAPORATIVE COOLING PADS

The DirectAire Cooling pad is a meticulously crafted cooling solution with its efficiency and durability. Tailored for livestock facilities, its design ensures optimal cooling, promising years of dependable service.



PART 31163

Dimension: 6" x 36"

PART 31164

Dimension: 6" x 48"

PART 31160

Dimension: 6" x 60"

PART 31161

Dimension: 6" x 72"

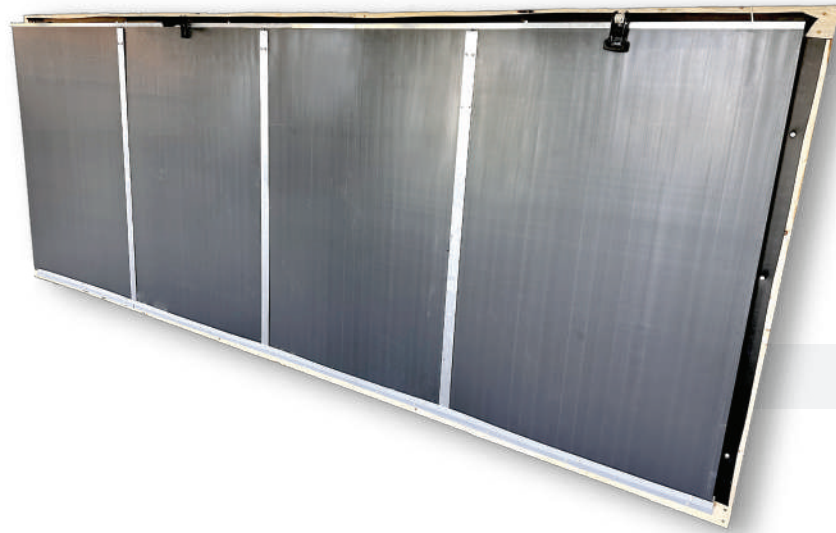
PART 31162

Dimension: 6" x 84"

- Unique structure provides a larger evaporation surface aiding in an outstanding cooling efficiency
- High face velocity enables air to pass through the pad without water droplet carryover
- Specially treated for corrosion resistance, mildew resistance and high structural strength to have a long service life
- Low pressure drop ensures that high-velocity air moves through the pad with minimal resistance
- Self-cleaning design, thanks to the steeper angle of the unequal flute design, flushes dirt and debris from the pad's surface



ECOTIGHT TUNNEL DOOR



5' Tunnel Door

Part 31102W

Door Thickness: 1-3/8"
Door Dimension: 39.3" x 60"

4' Tunnel Door

Part 31101W

Door Thickness: 1-3/8"
Door Dimension: 39.3" x 48"

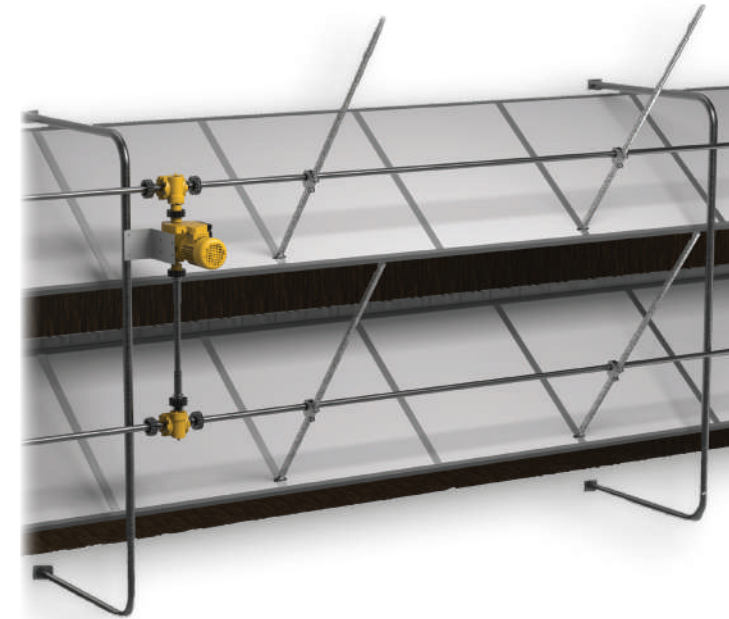
**Custom Rough
Opening Sizes
Available to Fit Your
House**

- Easy and fast installation
- Custom Sizes Available
- Unique plastic design is more durable than metal
- Continuous hinge provides maximum sealing to reduce cold-air leakage
- Ratchet Strap design provides effortless tunnel door adjustments
- Easier to handle with its smaller door design



TUNNEL DOOR RACK & PINION

The Tunnel Door Rack & Pinion system is designed to optimize tunnel ventilation systems. It is a closed cell insulated foam tunnel door with custom lengths and stacking available.



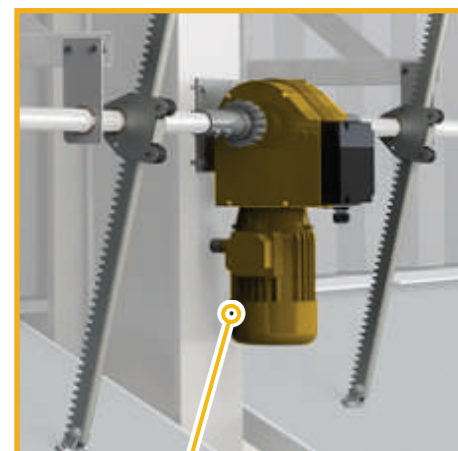
**Custom Sizes
Available. Contact for
Part Number**

Door Thickness: 1- 3/8"
Curved or Straight Rack
Color Options:

- White Paneling
- Grey Paneling

 Available Door Sizes of 24"-60"

- Actuates multiple rows with one winch
- Provides maximum sealing to reduce cold-air leakage
- Eliminates freezing issues
- Efficient design that minimizes the number of actuators
- Positive attachment to the tunnel doors
- Built to custom-sized vents to maximize intake openings
- Continuously hinged door
- Durably engineered with thick schedule 40 tubing
- Allows for smooth continuous control of vent systems
- Closed Cell foam filled with vertical and slanted supports providing rigidity



Heavy Duty
Actuating System



EXTERIOR SLIDING WALL INLET

Actuated Wall Inlet for Retrofit or New Construction

Comes in 4 to 6ft.
lengths with heights
customizable



- Precision air control and greater air speed to enhance air quality
- R-Value = R3 from multiple vanes in panel
- Plastic construction is corrosion-resistant and power-wash friendly for easy maintenance
- Ridged construction allows for high durability and longevity
- Lightweight panels are easy for handling and installation
- Customizable for many installation configurations
- Great for replacing traditional gravity inlets to increase CFM requirements
- Clear panel allows for light to enter rooms and does not harbor bacteria and dust
- Low maintenance with high dependability
- Aluminum Channels



RETROAIRE FLUSH MOUNT INSULATED INLETS

Designed to replace galvanized sidewall inlets



8" RetroAire

Part 90582

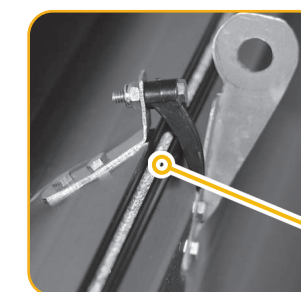
2,108 cfm @ 0.1 SP
BESS Labs Test #23408
Rough Opening: 44.5"L x 8"H
Dimensions: 46" x 10.75"



13" RetroAire

Part 90583

2,876 cfm @ 0.1 SP
BESS Labs Test #23405
Rough Opening: 41.5"L x 11.75"H
Dimensions: 43" x 14.5"



Brush seal provides
protection against air
and light leakages

- Designed with an aerodynamic, curved louver blade that directs fresh air along ceiling to ceiling peak for effective air mixing
- Great replacement for galvanized doors
- Built with fully insulated PVC that is rodent resistant
- Prevents air leakage and condensation build up
- Delivers more air (cfm) than conventional metal inlets and reduces inlets needed
- Features a flush mount that is fully sealed against air leakage and light
- Directs airflow through inlet's opening rather than leaking out bottom and sides of inlet
- Engineered with continuous hinge that helps reduce drafts



**NEW
PRODUCT**

CUSTOM WALL INLETS

The perfect solution for your retro-fit project.



Custom 8" RetroAire

Part 90587

Inlet OD Width: RO Width +1.5"
Inlet OD Height: 10.75"

Custom 13" RetroAire

Part 90588

Inlet OD Width: RO Width +1.5"
Inlet OD Height: 14.50"
Bess Labs Test 23404
4474



Custom 8" CSW

Part 90577

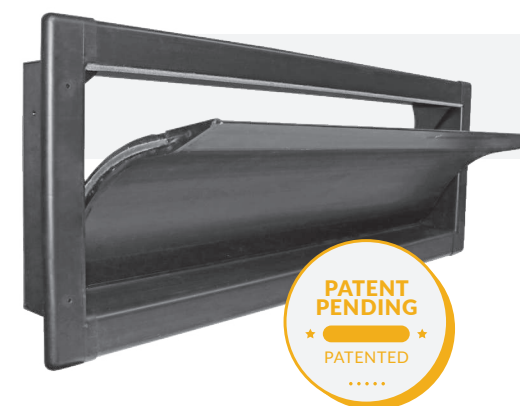
Inlet OD Width: RO Width +1.75"
Inlet OD Height: 11.25"

- Easy installation as custom sizes can be ordered to fit existing or new rough openings
- Constructed with flush mount framing to easily through opening
- Aerodynamic curved blade design allows for efficient air mixing
- Built in insulation and continuous hinge reduces condensation & freezing
- Plastic construction is insect resistant



DELUXE DIRECTAIRE INSULATED INLETS

Fully insulated sidewall inlet that is rodent resistant – no exposed insulation



Deluxe DirectAire 4413

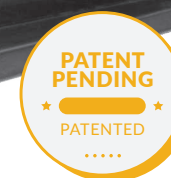
Part 90570CH

3,266 cfm @ 0.1 SP
BESS Labs Test #19260
Rough Opening: 44.5"L x 13.5"H
Inlet OD: 47.25" x 16.875"

Deluxe DirectAire 4113

Part 90572CH

3,050 cfm @ 0.1 SP
Rough Opening: 41.5"L x 13.5"H
Inlet OD: 44.50" x 16.875"

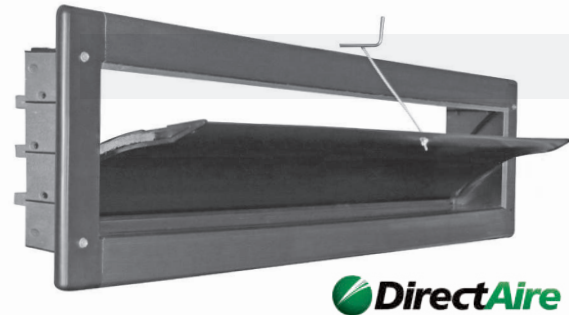


- Aerodynamic, curved louver blade and housing directs fresh air along ceiling to ceiling peak for effective air mixing in the center of the barn
- Delivers more air (cfm) than conventional metal inlets and reduces inlets needed
- Easily snaps together for ease of installation and cheaper freight; easy to clean and adjust
- Reduces or eliminates drafting and saving on heating costs
- Fully sealed against air leakage and light
- Designed with fully insulated PVC that is rodent resistant – no exposed insulation
- Directs airflow through inlet's opening rather than leaking out bottom and sides of inlet



DIRECTAIRE INSULATED INLETS

Aerodynamic, curved louver blade directs fresh air along ceiling for effective air mixing



DirectAire 4408

Part 90553CH

1,669 cfm @ 0.1 SP
BESS Labs Test #14334
Rough Opening: 44.5"L x 8.25"H
Inlet OD: 48" x 11.25"

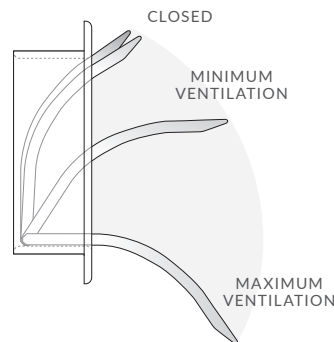


DirectAire 4108

Part 90557CH

1,555 cfm @ 0.1 SP
Rough Opening: 41.5"L x 8.25"H
Inlet OD: 44.25" x 11.25"

- Aerodynamic, curved louver blade directs fresh air along the ceiling for effective air mixing and speeds air to the center of even wider poultry mega houses
- Totally sealed PVC construction prevents insects from deteriorating inlet
- Delivers more air (cfm) than conventional metal inlets and reduces inlets needed
- During operation, airflow is directed through the inlet's opening rather than leaking out the bottom and sides of inlet
- Effectively pulls warm air from sidewalls 3 feet away and mixes warm air with fresh incoming air



DL INSULATED INLET SERIES

Most Efficient Air Mixing Inlet on the Market



DL3232

Part 90302P

4,144 cfm @ 0.10 SP
BESS Labs Test #18564
Rough Opening: 28" x 28"
Inlet OD: 32" x 33"



DL4727

Part 90301

4,628 cfm @ 0.10 SP
BESS Labs Test #19572
Rough Opening: 44" x 24.75"
Inlet OD: 46" x 27.25"



DL3127

Part 90300

3,107 cfm @ 0.10 SP
BESS Labs Test #16694
Rough Opening: 29" x 24.75"
Inlet OD: 31" x 27.25"



DL INLET CUTAWAY

- Adaptable as a single or double pull configuration
- Effortless inlet installation with pre-installed mounting hardware
- Constructed from virgin PVC for robust durability against power washing, and fully insulated to prevent condensation
- Square design facilitates precise air movement during minimum ventilation and enables maximum CFMs in the fully-open position
- Boosts air velocity upon entry, enhancing air distribution and mixing within the room
- Rough opening designed to seamlessly fit standard filter boxes in the industry



2-WAY INSULATED CEILING INLETS

Withstand Harsh Environments and Cold Weather Conditions



JD2600 Actuated OR Gravity

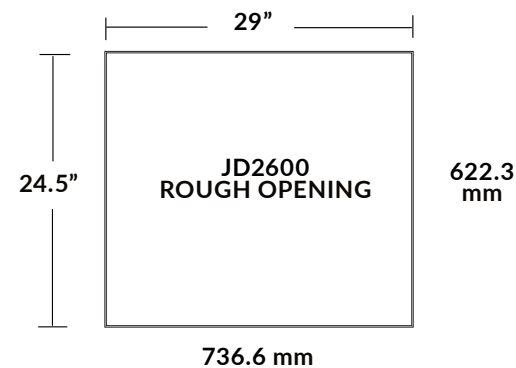
13 lbs (5.9 kg)
Approx. 2,400 cfm @ .05 SP
BESS Labs Test #05180

JFD2600 Foam Insulated Also Available

Part 90841
(Gravity)



Part 90840
(Actuated)



Double L's 2-Way Insulated Attic Inlets are great for minimum to maximum ventilation for control of air movement, directing air along ceiling for proper air mixing. They are constructed of a single piece, insulated, corrosion resistant, rotomolded housing with 1" thick insulated lids to minimize condensation, dripping, and inlet freeze-up.

Frictionless styrofoam PVC covered lids on a continuous PVC hinge swing down to allow clean attic air into the room.

When lids are closed, inlet is sealed against air leakage. Withstands harsh environments and extreme cold weather conditions.



360° INSULATED INLETS

Improved GC1140 and AC3010 with super tough structural foam for added strength and insulation value

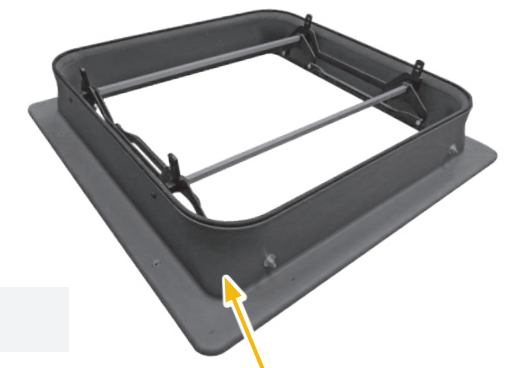


GC1140 (Gravity)

Part 90678

1,500 cfm @ 0.08 static pressure
2,046 cfm @ 0.15 static pressure

Rough Opening: 23.75" x 23.75"
BESS Labs Test #14005



AC3010 (Actuated)

Part 90671

1,800 cfm @ 0.08 static pressure
2,518 cfm @ 0.15 static pressure

Rough Opening: 23.75" x 23.75"
BESS Labs Test #14006

**RADIUS CORNERS
FOR 360° AIRFLOW
WITH NO DEAD SPOTS**

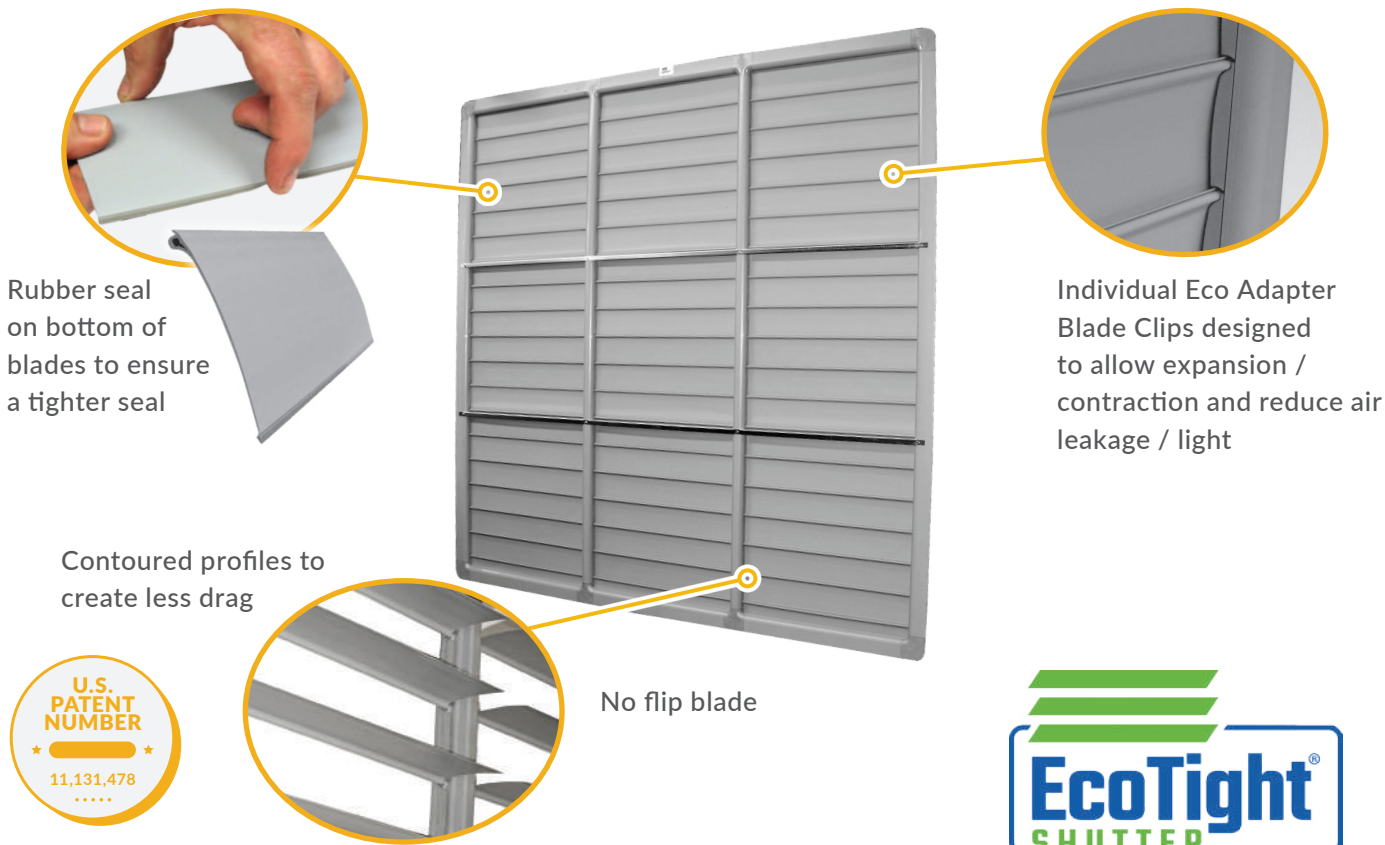
Air doesn't hit square corners and deflect back into inlet

- 360° airflow heavy-duty radius corner design increases fuel savings, air distribution, and air mixing
- Designed for cold climates - fully insulated housing helps reduce heat loss and freeze-up
- Tightest seal on the market - minimal leakage when attic inlet is in the closed position
- Larger bottom board than competition helps direct air along ceiling, resulting in minimal downdraft
- Easy to remove and reattach bottom lid with attachable straps - no bolts or screws to take off
- Housing made of four point pivot reactive injection molding (RIM)



ECOTIGHT SHUTTER

Improves Fan Efficiency and Reduces Cold Air Leakage



- Custom-sized manufacturing to meet your specifications
- Sturdy twin-wall profile frame for extended lifespan and stability of the shutter
- Engineered for accommodating expansion and contraction
- Streamlined design to optimize airflow and reduce air infiltration into the room
- Adaptable to retrofit any existing rough opening
- Continuous hinge for each blade prevents flipping over, ensuring the blade doesn't get stuck in the open position
- Outstanding cleanability combined with durability to withstand pressure washing



BESS LAB TESTED
Based on a 30" Shutter,
the EcoTight Shutter had:
21.8% MORE AIRFLOW
17.1% LESS AIR LEAKAGE
than Double L's previous PVC Shutter

(Airflow Only - No Fan)
BESS Lab Tests: 16376 and 16377



SHUTTER COVER

Winterize EcoTight Shutters or Other Manufacturer's Fan Shutters with Shutter Cover



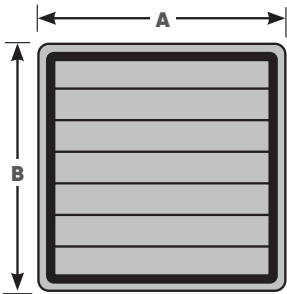
- Effortlessly winterize fan shutters with no need for removal
- Effectively halts cold air leaks and prevents shutter flutter
- Boasts an R-Value of R3, due to multiple vanes in the panel
- Easily stored and light to handle during summer months
- Pre-installed flex tip U-Channel seals off from water, dirt, or air leakage
- Compatible with Eco Tight Shutter and other fan shutters on the market
- Engineered for expansion and contraction
- Custom sizes are readily available



Profiles designed for expansion / contraction and easily snap into shutter frame

HOW TO MEASURE

Double L can manufacture to your custom size



Shutter Cover Measurements are **outside** of flange to **outside** of flange



Translucent Paneling

DIRECTX SHUTTER

Helps to direct the required amount of airflow into the correct place in the barn, controlling accurately the inlet air flow volume.

**Available for Actuated
or Static Pressure
Applications**

- Customizable height and width
- High level insulation
- Engineered with long lifespan PVC material
- Quick & easy to clean
- Designed as all weather resistant
- Built to be anti-corrosive and non-deforming
- Provides a tight seal
- Translucent paneling to allow light in



ALL-SEASON ROTOMOLDED CURTAIN POCKETS

Seal Curtain Edges and Protect Curtain from Wind Damage



PCP1866

Part 16495

18" x 66"H (457.2 x 1,676.4 mm)

21 lbs / pr. (9.5 kg)

PCP1878

Part 16494

18" x 78"H (457.2 x 1,981.2 mm)

22 lbs / pr. (10.0 kg)

PCP1884

Part 16498

18" x 84"H (457.2 x 2,133.6 mm)

23 lbs / pr. (10.4 kg)

- Versatile, all-season curtain pockets designed with special UV stabilizers to eliminate plastic degradation in sunlight
- Seal curtain edges and protect curtain from wind damage
- Rotomolded of non-corrosive polyethylene, providing added strength and durability
- Install in minutes with just a handful of screws
- Tapered from 2" at the top to 6" at the bottom of the curtain pocket





LAYER DIVISION

- Wall and Ceiling Inlets
- Wind Deflectors
- PVC Shutters
- 1/5 HP Stir Fans
- Thermostats
- Winches
- Cool Cell System
- Rack & Pinion
- Pop Out Doors

SWINE DIVISION

- Attic and Wall Inlets
- Ductwork
- PVC Shutters
- Flooring
- Pig Mat
- Curtain Pockets
- Thermostats
- Accessories
- Winches

POULTRY DIVISION

- Wall and Ceiling Inlets
- Tunnel Doors
- Hoods / Wind Deflectors
- Cool Cell System
- 1/5 HP Stir Fans
- Linear Actuator
- Thermostats
- Flooring
- Winches

DAIRY DIVISION

- Fans
- Evaporative Cooling
- Tunnel Doors
- Rack & Pinion
- Attic and Wall Inlets
- PVC Shutters
- Curtain Pockets
- Accessories
- Winches

Since 1973, Double L has committed to providing high-quality products and services worldwide that are based on value, customer's needs, and excellent sales support.

Double L Group, LLC strives to provide our distributors and customers with innovative products that offer the best return on investment.

CONTACT DOUBLE L FOR:

- High Quality Materials and Products
- Quality Design for Compact Shipping
- BESS Lab Testing of Ventilation Products
- Exceptional Service on all Products
- Informative Website with Informational Product Videos

2020 Beltline Road | PO Box 324 | Dyersville, Iowa 52040-0324
800-553-4102 | 563-875-6257 | sales@doublel.com | www.doublel.com



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