



AIR BARRIERS

COMMERCIAL / INDUSTRIAL AIR BARRIERS

DURASHIELD / DURASHIELD HD / ULTRASHIELD / XTREMESHIELD
SHIPPING & RECEIVING DOORS / SERVICE BAYS
COOLERS / FREEZERS / FOOD PREP / MANUFACTURING
WAREHOUSE & DISTRIBUTION



DS-96 Model Shown

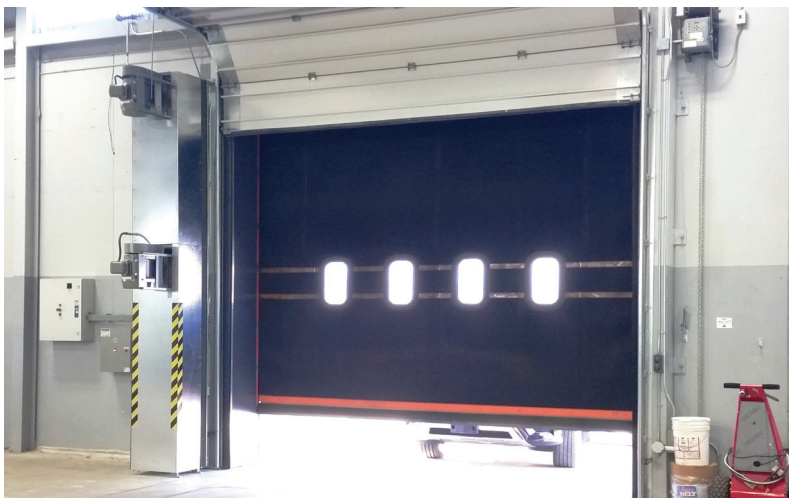
AN ENERGY EFFICIENT TECHNOLOGY THAT SEALS OPEN DOORWAYS

Save up to 15 Units of Energy for Every One Unit of Energy Consumed by the Air Barrier!
With the cost of energy continuing to rise, heating / cooling bills for your building are a major expense. For businesses that keep their doors open for passing foot traffic, these costs are even greater. Properly selecting a custom made Enershield Air Barrier that can create an efficient and effective seal is as important as the decision to install the technology. We design and custom build our units to perform in the toughest climates, hot or cold. We don't take any shortcuts when it comes to quality. There are varying Air Barrier concepts on the market claiming to be equal to the Enershield design, but when comparing feature to feature they fall well short.



DSH-144 Model Shown

LEADERS IN THE INDUSTRY, INNOVATORS IN THE TECHNOLOGY



Both Vertical and Horizontal installations available - Vertical Air Barrier shown above.

BENEFITS

- Save Energy
- Enhance Comfort
- Keep Out Heat / Humidity
- Deter Dusts & Insects
- Stop Cold Drafts
- Environmental Separation
- Improve Safety
- Increase Productivity

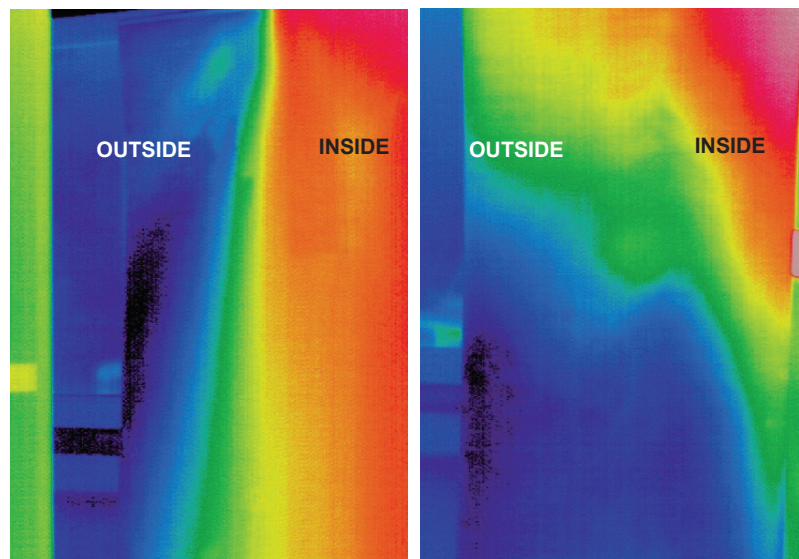
**A CORRECTLY INSTALLED AIR BARRIER
CAN SEAL OFF AN OPEN DOORWAY AND
REDUCE THE HEAT / AC ENERGY LOSS
BY AS MUCH AS 90%.**

AIR BARRIER VS. HEATED AIR CURTAIN

Air Barriers should not be confused with a heated warm air curtain, with a primary design objective to provide warmth at an open doorway. Without a proper seal over an open door, your expensively heated or air-conditioned air, along with the warm blast from a typical heated air curtain is immediately conveyed to the outside. Air Curtains typically do not have the velocity or volume of air needed to create an effective seal on the door opening, they add heat to the airflow to condition the amount of cold air that's infiltrating through the door opening. Enershield Air Barriers operate at higher velocities and volumes with the strength to efficiently seal the door opening with ambient air, saving energy and money on operating costs.

HOW AN AIR BARRIER WORKS

Enershield Air Barriers create an effective seal on the doorway by re-circulating the facility air in a laminar (smooth) air flow across an open doorway. The kinetic energy in the moving air generates a barrier, like a waterfall, that prevents leakage of air between two areas with different pressure and climate. The more laminar this air flow, the harder it is for outside air to penetrate the barrier.

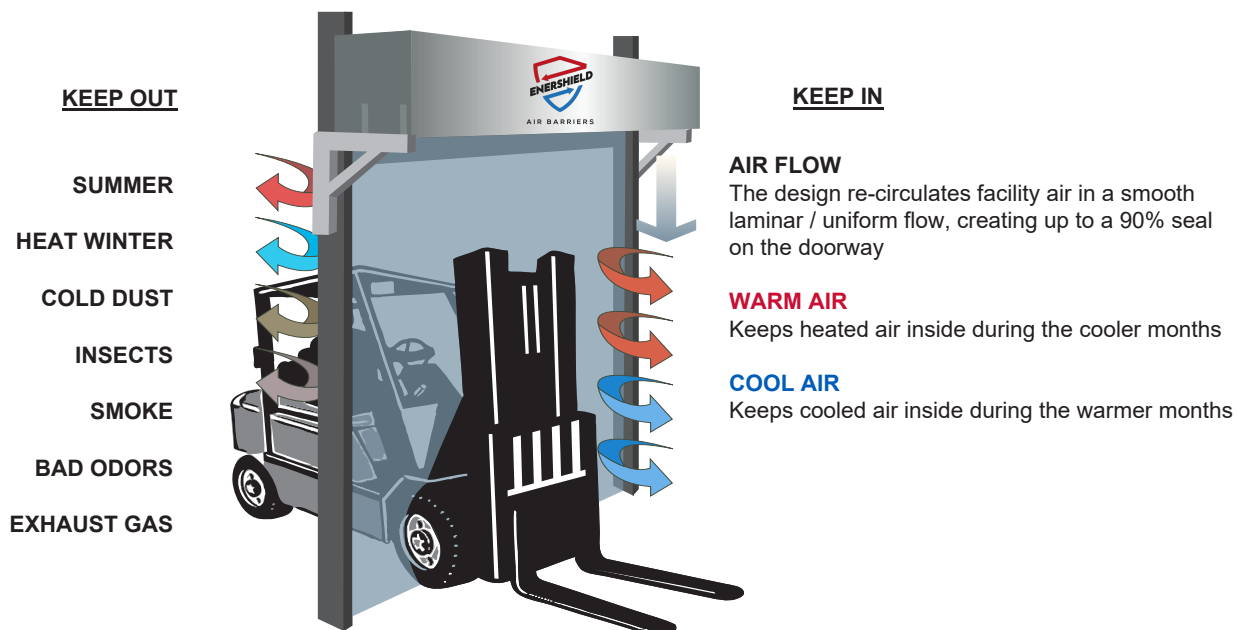


AIR BARRIER ON

AIR BARRIER OFF

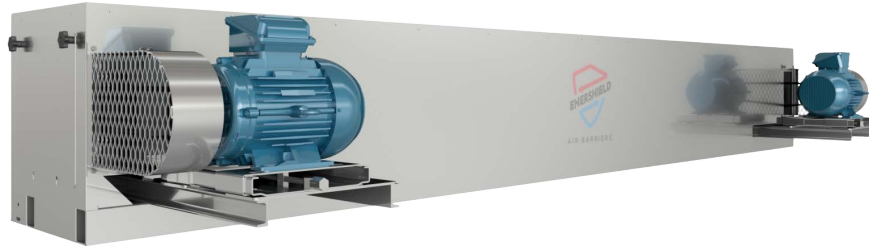
SAVINGS & COMFORT

Open doors account for a considerable amount of the energy loss in a building. A correctly installed Air Barrier can seal off an open doorway, and reduce the heat (and air conditioning) loss through the door as much as 90%, translating into substantial energy savings, as well as creating a more comfortable environment for both employees and customers – when employees are more comfortable, they tend to be more productive. When customers are more comfortable, they tend to stay longer and spend more, resulting in increased profit! Enershield Air Barriers have also been proven beneficial in certain manufacturing and packaging processes where a contaminant free environment and/or temperature stability are critical.



ADVANTAGES OF UTILISING ENERSHIELD AIR BARRIERS

- Powder coated steel frame construction and sheet metal jacket provide a rigid, corrosion resistant unit to withstand even the harshest environments.
- Acoustic insulation allows for quiet operation.
- Uniform and consistent spacing of blowers, external motor placement on larger units along with patented unique diffuser gives the required laminar air flow to efficiently seal the door.
- Telescopic sliders and provided wall brackets allow for ease of install.
- Control panel incorporates Photo cell switch which allows for automatic activation upon door opening.
- Custom manufacturer, each order is designed and customized for your application.
- Enershield Air Barriers can be mounted horizontally or vertically.



For Climate Control up to 3m/10' high
Direct Drive Motors (1ph) - Cabinet (H 508mm/20" x 432mm/17" W)

Durashield	DS-72	DS-96	DS-120	DS-144	DS-168	DS-192
Air Velocity (m/s)/(fpm)	22.9 / 4500	22.9 / 4500	22.9 / 4500	22.9 / 4500	22.9 / 4500	22.9 / 4500
Air Volume (m³/s)/(cfm)	4/8475	5.33 / 11300	6.66 / 14,125	8 / 16,950	9.33 / 19,775	10.66 / 22,600
Total Power (hp)/(kW)	1.5 / 1.05	2 / 1.4	2.5 / 1.75	3 / 2.1	3.5 / 2.45	4 / 2.8
Weight (kg)/(lbs)	136/300	181/400	227/500	272/600	318/700	364/800

For Climate Control up to 3.7m/12' high
Belt Drive (3ph) - Cabinet (H 508mm/20" x 432/17" W)

Durashield-HD	DSH-96	DSH-120	DSH-144	DSH-168	DSH-192
Air Velocity (m/s)/(fpm)	27.9 / 5,500	27.9 / 5,500	27.9 / 5,500	27.9 / 5,500	27.9 / 5,500
Air Volume (m³/s)/(cfm)	6.09 / 12,900	7.61 / 16,125	9.13 / 19,350	10.65 / 22,575	12.18 / 25,800
Total Power (hp)/(kW)	5 / 4	7.5 / 5.5	10 / 8	10/8	10/8
Weight (kg)/(lbs)	237/522	300/660	370/812	420/926	460/1014

For Climate Control up to 5.4m/18' high
Belt Drive (3ph) - Cabinet (H 559mm/22" x 483mm/19" W)

Ultrashield	US-120	US-144	US-168	US-192	US-216	US-240
Air Velocity (m/s)/(fpm)	33/6500	33/6500	33/6500	33/6500	33/6500	33/6500
Air Volume (m³/s)/(cfm)	9.38 / 19,875	11.26 / 23,850	13.13 / 27,820	15.01 / 31,800	16.88 / 35,775	18.76 / 39,750
Total Power (hp)/(kW)	10 / 7.5	15 / 11	15 / 11	20 / 15	20 / 15	20 / 15
Weight (kg)/(lbs)	363/800	490/1080	523/1153	579/1276	638/1407	699/1541

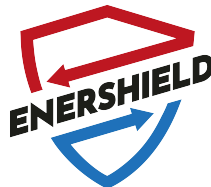
For Climate Control up to 8m/26' high
Belt Drive (3ph) - Cabinet (H 600mm/23.6" x 559mm/22" W)

Xtremeshield	XS-120	XS-150	XS-180	XS-210	XS-240
Air Velocity (m/s)/(fpm)	38.1/7500	38.1/7500	38.1/7500	38.1/7500	38.1/7500
Air Volume (m³/s)/(cfm)	11.24 / 23,816	14.05 / 29,775	16.87 / 35,745	19.68 / 41,700	22.48 / 47,650
Total Power (hp)/(kW)	15 / 11	20 / 15	30 / 22	30 / 22	30 / 22
Weight (kg)/(lbs)	410/904	540/1190	644/1420	756/1663	860/1890

Model number reflects approximate cabinet length in inches

Velocities & Volumes are based on Maximum outputs

Head Office & UK Manufacturing Centre
Calderhead Road, Shotts
Lanarkshire, ML7 4EQ 01501 825024



AIR BARRIERS
part of the CPA Group

Canada & North America Manufacturing Centre
95 Albert Street South,
Sunderland, ON, L0C 1H0
Ph: 1-855-272-1272



Think Efficient, Think Effective, Think ENERSHIELD!