

ENERGY SAVING AIR BARRIERS

THINK EFFICIENT, THINK EFFECTIVE, THINK ENERSHIELD

ENERSHIELD
AIR BARRIERS

www.enershield.ca



**MORE
AND MORE
COMPANIES ARE
MAKING THE DECISION
TO INSTALL AN ENERSHIELD
AIR BARRIER :**

- **Enhanced comfort for both employees and customers** – keeps the warm air inside in the winter time, and the cold (air conditioned) air inside in the summertime
- **Environmental separation:** eliminate dust, contaminants, odors, insects, smoke, car exhaust and other fumes from areas that you don't want them!
- **Increase the life expectancy of your heating and cooling systems**
- **SAVE ENERGY!** – Most businesses find that the Air Barrier pays for itself in 1 - 2 years with money saved on reduced heating/cooling bills. From that point on, it's paying them every month!

SEALING OFF ANY OPEN DOORWAY WITH AIR BARRIER TECHNOLOGY IS JUST THE FIRST STEP TO EFFICIENT THINKING.

With the cost of energy continuing to rise, heating and cooling bills for your building are a major expense. For businesses that keep their doors open to offer an open and inviting business for passing foot traffic (potential customers), these costs are even greater.

Properly selecting an Air Barrier that can create an efficient and effective seal is as important as the decision to install the technology. We are a Canadian based manufacturer that designs and builds 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 criteria, but when comparing feature to feature they fall well short of anything that Enershield manufactures.

DID YOU KNOW?

Enershield has been adapted as the standard by the likes of Canada Post, Acklands Grainger and The Government of the Northwest Territories, just to name a few.

LEADERS IN THE INDUSTRY, INNOVATORS IN THE TECHNOLOGY.

AIR FLOW
The design re-circulates facility air in a smooth laminar/uniform flow, creating up to a 90% seal on the doorway

WINTER COLD

SUMMER HEAT

DUST

INSECTS

SMOKE

BAD ODOURS

EXHAUST GAS

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) 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.

SAVINGS AND 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 loss through the door as much as 90%, translating into substantial energy savings, as well as a more comfortable environment for both employees and customers – when employees are more comfortable, they tend to work harder, which results in increased productivity. When customers are more comfortable, they tend to stay longer and spend more, resulting in increased profit!

Air Barriers are also beneficial in certain manufacturing and packaging processes where a contaminant free atmosphere and/or temperature are critical.



*Recognized by Natural Resources Canada, Office of Energy Efficiency as a proven method to save energy.

MICROSHIELD™ SPECIFICATIONS

Cabinet (9 1/4"H x 8 3/4"W)

Model / Cabinet Length	Volts (~V)	Freq (Hz)	Max input Power (W)		Max air speed (m/s)/(ft/m)		Air volume (m3/h)/(cfm)		Noise (dB)		Net weight Kg/lbs
In mm & inches			High	Low	High	Low	High	Low	High	Low	
MCS-36 900mm/35.5in.	110/120	60	300	270	16/3150	13/2500	1100/647	900/530	52	49	16/35.2
MCS-48 1200mm/47in.	110/120	60	400	360	16/3150	13/2500	1500/883	1200/706	53	50	18/39.7
MCS-72 1790mm/70.5 in	110/120	60	600	540	16/3150	13/2500	2280/1340	1800/1060	57	55	26/57.2



Available in brushed aluminum, black, or white.
*Installation hardware included



Compact, economical, low-profile design made for retail and personnel doorways. Units come in 3, 4, and 6 feet lengths – multiple units can be positioned in-line for larger width openings. Standard plug-in units with 2 speed settings (Hi and Low). Power consumption is the equivalent of a few light bulbs.

View our complete line of retail and industrial Air Barriers at www.enershield.ca

DID YOU KNOW?

For every unit of energy that your Air Barrier consumes, it will save you approximately 15 units of energy?

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