

# MICROSHIELD AIR BARRIER

RETAIL / ENTRANCE / EXIT / PERSONNEL / FOOD PREP  
COOLER / FREEZER / TAKE OUT WINDOWS



## 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 Curtron 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 Curtron design, but when comparing feature to feature they fall well short.

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

- Compact, economical, low-profile design is made for retail and personnel doorways.
- Available in 3,4 and 6 Feet lengths - multiple units can be positioned in-line for larger width openings.
- Standard 110v plug-in units with 2 speed settings (high and low).
- Standard model includes remote and a magnetic reed switch for Automatic Activation.

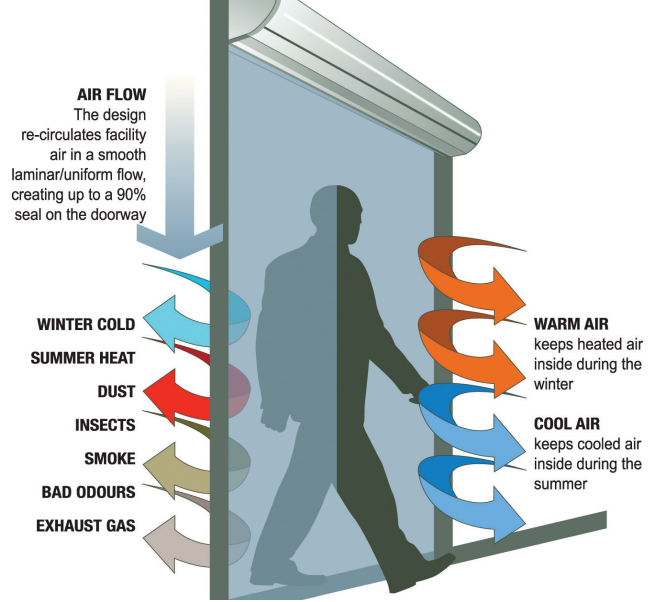
### BENEFITS

- Save Energy
- Stop Cold Drafts
- Keep Out Heat / Humidity
- Enhance Comfort
- Deter Dust & Insects
- Environmental Separation

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.

### AIR BARRIER VS AIR CURTAIN

Air Barriers shouldn't be confused with a heated warm air curtain, whose primary objective is to provide warmth at open doorways. Without a proper seal, your expensively heated / air-conditioned air, along with the warm blast from a typical heated air curtain is immediately conveyed to the outside. A typical 8kw air curtain, operating 8 hrs per day, 5 days a week will consume in excess of \$1200 of electricity over 6 months. Under the same conditions a Curtron unit will consume \$80 of electricity for the entire year! Curtron 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.



Microshield Air Barrier Available Colors - (mounting brackets included)



The Curtron Microshield Air Barrier is CSA Listed in Canada and UL Listed in US and Canada.



Model / Cabinet Length	Volts	Freq (Hz)	Max Input Power (W)		Max Air Speed (m/s) / (ft/m)		Air Volume (m <sup>3</sup> /h) / (cfm)		Noise (dB)		Net Weight (Kg / Lbs)
			High	Low	High	Low	High	Low	High	Low	
<b>In MM &amp; Inches</b>											
Model MCS-36 (900mm / 35.5in)	110 / 120	60	300	270	16 / 3150	13 / 2500	1100 / 647	900 / 530	52	49	16 / 35.2
Model MCS-48 (1200mm / 47in)	110 / 120	60	400	360	16 / 3150	13 / 2500	1500 / 883	1200 / 706	53	50	18 / 39.7
Model MCS-72 (1790mm / 70.5in)	110 / 120	60	600	540	16 / 3150	13 / 2500	2280 / 1340	1800 / 1060	57	55	26 / 57.2

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

