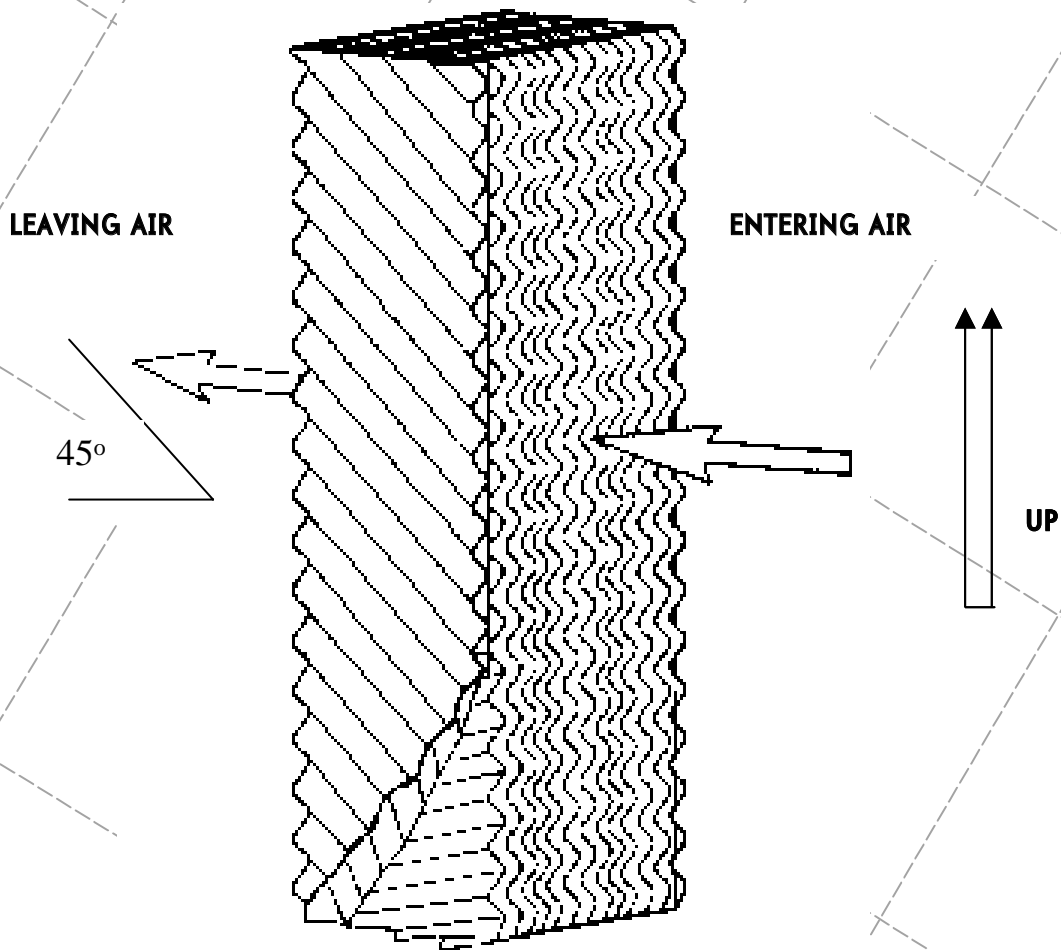


RIGID CELLULOSE MEDIA



TYPE 45/15 EVAPORATIVE COOLING PADS

GENERAL FEATURES

- Consistent cooling performance, year after year.
- Fast wet-out for maximum cooling at start-up.
- Low pressure drop to maximize air-flow.
- More Cooling than fiber pads.
- Longer Life – Up to five times as long as standard Aspen pads.
- Self-Supporting – The inherent structural rigidity of each pad reduces the need for wire grids, framing or holding strips.
- Custom Sizes – Various heights and depths can be cut for specific applications.
- Higher Air Velocity – Rigid Cellulose Media’s unique design handles more than three times the air velocity of standard Aspen pads.

APPLICATIONS

Rigid Cellulose Media’s simplicity of installation is a direct result of its exclusive design and unique manufacturing process. Rigid Media is typically use for:

- Comfort Cooling for plants, commercial buildings and institutions.
- Pre-Cooling for air-cooled refrigeration systems.
- Air Washers for industrial air conditioning systems.
- Humidification for wintertime heating.
- Water Cooling for indirect evaporative coolers.
- Space Cooling for greenhouses.
- Cooling for manufacturing processes.

TYPE 45/15 SPECIFICATIONS

WEIGHT
DRY 1.98 LBS/FT³ WET 4.16 LBS/FT³

FACE VELOCITY
MAX 750 FPM MIN 200 FPM

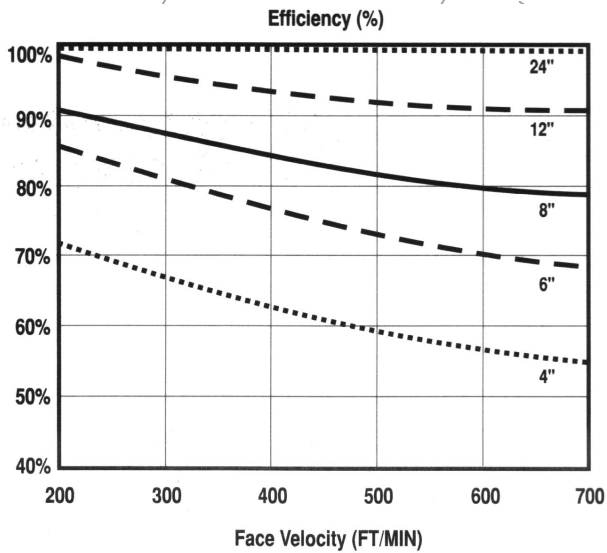
SQUARE FEET of SURFACE
123 FT²/FT³

WATER TEMP
MAX 200°F

AIR TEMP
150 °F CONTINUOUS
300 °F INTERMITTENT

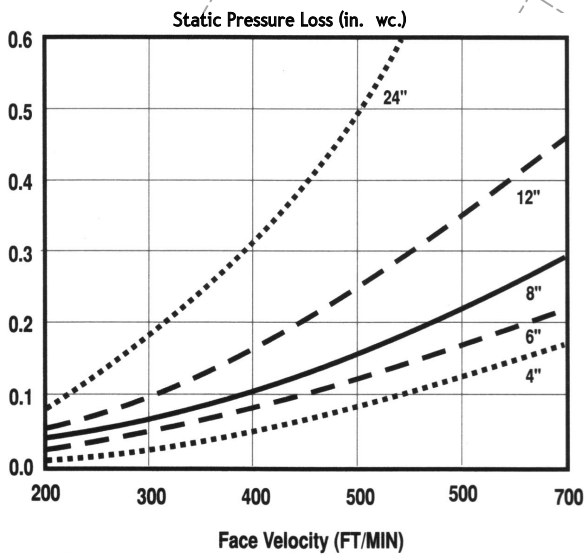
STANDARD SIZES
3” REINFORCED PAD FOR PRE-COOLERS
CUT DEPTHS: 4”, 6”, 8”, 10”, 12” to 24”
CUT WIDTHS: 2” to 12”
CUT HEIGHTS: 12” to 72”

Media Saturation Effectiveness



Saturation Effectiveness (Efficiency - %)					
Velocity FPM	Pad Thickness				
	4"	6"	8"	12"	24"
200	72	85	91	98	99
300	68	82	90	97	99
400	62	77	85	94	99
500	59	74	83	93	99
600	56	70	80	91	99

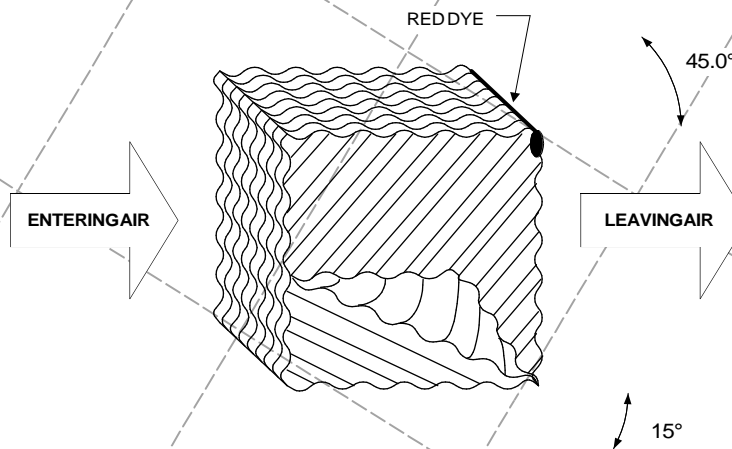
Media Static Pressure Loss, (in.wc.)



Static Pressure Loss (in. w.c.)					
Velocity FPM	Pad Thickness				
	4"	6"	8"	12"	24"
200	0.014	0.021	0.030	0.041	0.082
300	0.031	0.046	0.063	0.093	0.180
400	0.055	0.083	0.110	0.165	0.330
500	0.086	0.129	0.165	0.260	0.510
600	0.124	0.185	0.228	0.370	0.740

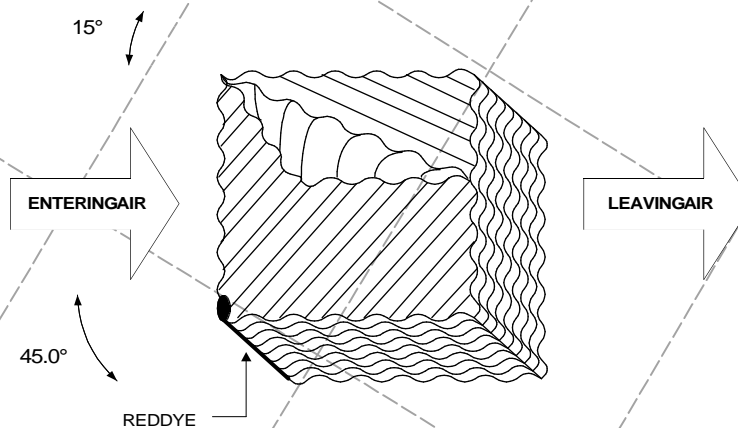
IMPORTANT!

In order to get the best performance from your cooling pads, they must be installed properly.



Pads must always be installed with the steeper flute angle sloping down toward the air entering side. The reasoning is simple. The steeper angle puts more water on the hot, dry, dirty side of the pad where it is needed most. It also counteracts the tendency of the air to push the water toward the pad. **The leaving air side of replacement pads are marked across the top -back edge with red dye.**

To extend the useful life of your cooling pads, rotate the pads 180° degrees once each cooling season so that the top-back is now front-bottom. Red dye marked pads would now be at the front-bottom.



If the media becomes clogged with contaminants and/or mineral deposits which cannot be removed by cleaning, or the media loses its structural integrity such that it restricts airflow, pad replacement is recommended.