VCH1-6-38 ALU

Cooling and Snow Melt Wind Driven Rain Louver

Veotec patented VCH1-6-38 ALU Class A rated wind driven rain coil style heating or cooling high efficiency separators chill or heat the air based on fluid temperatures. Heated louvers can prevent harmful buildup of snow, ice or hoar frost. Chilled louvers can increase the air density and cool incoming air. VCH1-6-38 ALU vertical louvers efficiently remove sea spray, mist, drift, rain droplet, bulk water, salt and other fine aerosol from air inlets. These thermally enhanced louvers can also be customized to include features like bird screens, insect screens, ember screens, fans, dampers, filters, and acoustic attenuation with hinged door options for easy filter and downstream equipment access.

Features

- *Made in the USA*
- *Class A rated on AMCA Wind Driven Rain Performance*
- *Superior **snow melt and anti-icing** with air temperature rise*
- *Superior **chilling** with air temperature drop*
- *Thermal performance similar to radiator style coils*
- *Geothermal Performance Tested*
- ***Reduce dependency on evaporative cooling – Save water!***
- High efficiency water droplet / mist / drift removal
- *Designed for extreme offshore, power generation, datacenter, marine, HVAC, mobile trailer and critical airflow applications*
- *Low airflow resistance*
- *Compact size and light weight*
- *Durable corrosion resistant materials*
- *Long term reliability with low maintenance*
- *Available in custom sizes to suit customer needs*
- *Many water drainage options are available*

Standard Construction:

Louver: 6063 T6 extruded aluminum louvers, mill finish
Frame: Aluminum or Stainless formed and extruded construction
Headers and Tubes: Copper or Stainless
Hardware: 304 / 316 Stainless rods and fasteners
Spacers: Durable UV resistant, outdoor stable, nylon spacers

Options:

- *Similar thermal performance to radiator style coils*
- *6063 T6 Extruded aluminum or 5052 formed aluminum frames*
- *304 or 316 stainless formed frames*
- *Front flange flush mounting or Rear flange surface mounting*
- *Double flange mounting or Box frame - No flange frame*
- *Penthouse style housings are available*
- *Hinged for Easy Access (Locking features available)*
- *Mullions for large openings and panel arrays*
- *Filter holding frames are available*
- *Bird screens, Insect screens, Ember screens*
- *Optional powder coat and paint available*
- *Damper options are available*
- *Flange and mounting hole patterns per customer specifications*

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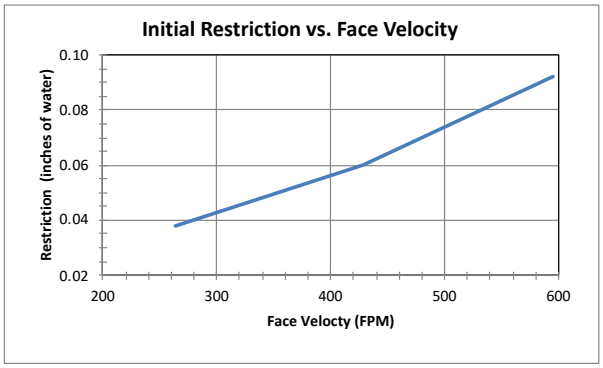
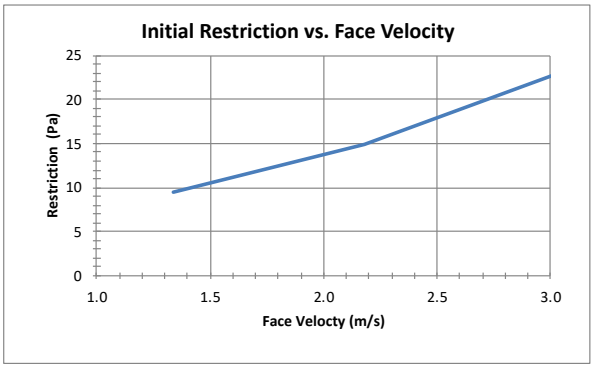
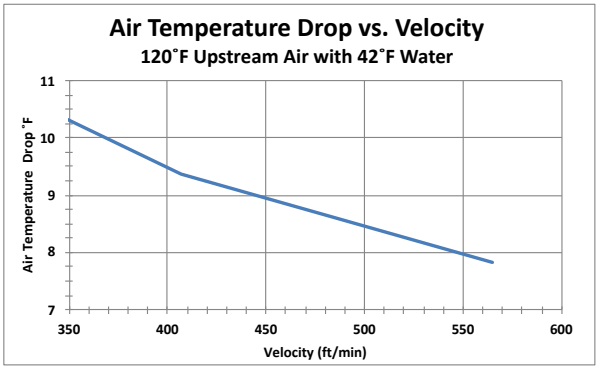
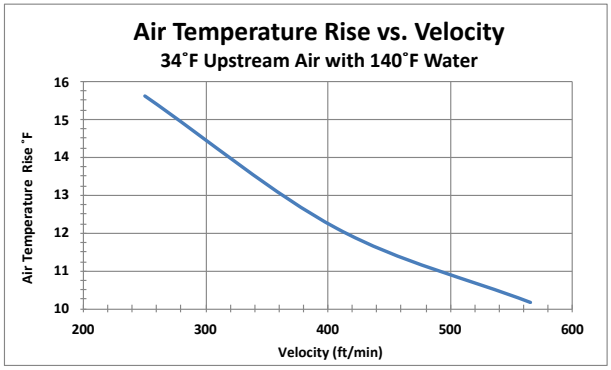
Initial Restriction: VCH1-6-38-ALU Louver



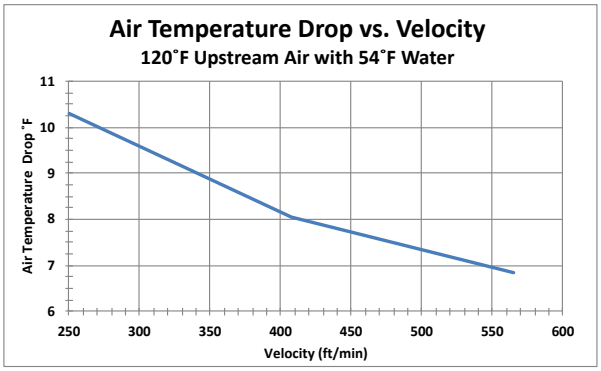


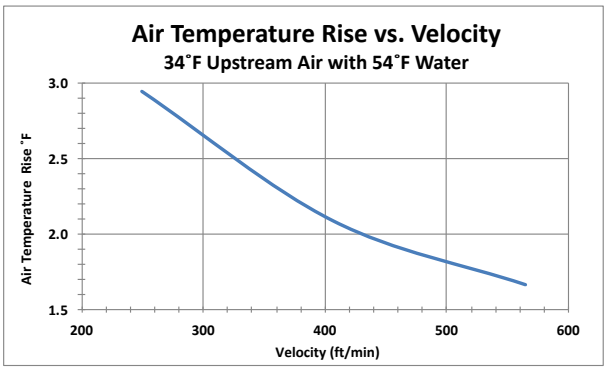
Thermal Output: VCH1-6-38-ALU Louver with Stainless Tubes and Headers





Geothermal Output: VCH1-6-38-ALU Louver with Stainless Tubes and Headers





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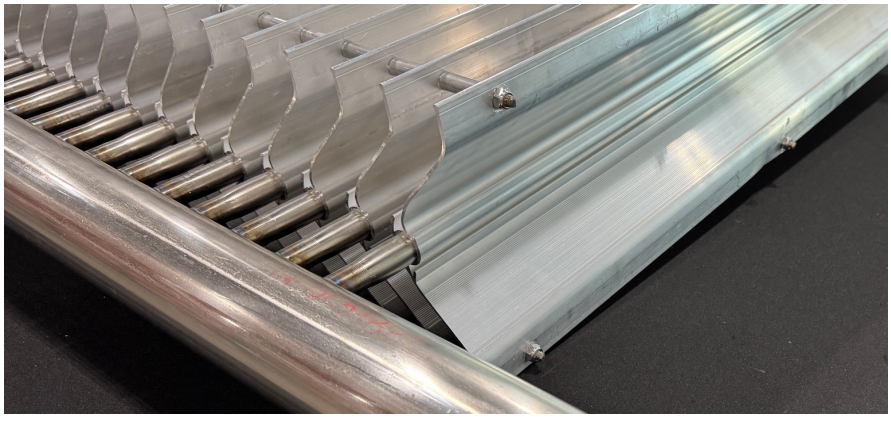
Wind Driven Rain Performance: VCH1-6-38 ALU Tested per ANSI / AMCA Standard 500-L-23

Wind Velocity Through Cal Plate (FPM)	*Core Velocity Through Louver (FPM)*	*Rainfall Rate (Gallons/hr.)*	*Water Penetration Effectiveness*	*Water Penetration Classification*
987.36	988.77	53.693	100.0%	A

Tested per ANSI / AMCA Standard 500-L-23 (Wind Driven Rain 50 MPH - 3.5 m/s), Figure 5.11, 1m x 1m core
AMCA Test No. 44703-WD1

Free Area: VCH1-6-38 ALU has 36% Free Area at 48" x 48" based on ANSI / AMCA standard 500-L-23

Height (inches) \ Width (inches)	12	24	36	39.5	48	60	72	84	96	108	120
12	0.18	0.50	0.83	0.92	1.15	1.48	1.80	2.13	2.45	2.78	3.10
24	0.41	1.17	1.93	2.15	2.69	3.44	4.20	4.96	5.72	6.48	7.24
36	0.65	1.84	3.03	3.38	4.22	5.41	6.60	7.80	8.99	10.18	11.37
39.5	0.71	2.03	3.35	3.73	4.67	5.99	7.30	8.62	9.94	11.26	12.58
48	0.88	2.51	4.13	4.60	5.76	7.38	9.01	10.63	12.26	13.88	15.51
60	1.11	3.17	5.23	5.83	7.29	9.35	11.41	13.46	15.52	17.58	19.64
72	1.35	3.84	6.33	7.06	8.82	11.32	13.81	16.30	18.79	21.28	23.77
84	1.58	4.51	7.43	8.29	10.36	13.28	16.21	19.13	22.06	24.98	27.91
96	1.82	5.18	8.54	9.52	11.89	15.25	18.61	21.97	25.33	28.69	32.04
108	2.05	5.85	9.64	10.74	13.43	17.22	21.01	24.80	28.60	32.39	36.18
120	2.29	6.51	10.74	11.97	14.96	19.19	23.41	27.64	31.86	36.09	40.31



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