



# TECHNICAL SPECIFICATION

Kuul Evolution FirePro DE™ is a technologically advanced drift eliminator that surpasses specifications for drift rates without placing undue stress on cooling fans. It allows for higher velocities, which means air-handling units can be more compact. The design of DE media ensures droplet carry-over is never a problem for your system - cooling pumps may be switched on at maximum system airflows without the risk of water entrainment. Made from Kuul Evolution™ with FirePro™ technology, Kuul DE materials meet strict UL 900 standards.

When designing this product, our engineers listened to what customers were saying and responded. The flute angle configuration was specifically developed to give Kuul DE increased rigidity to withstand the higher velocities demanded by the market without bowing or bending. Kuul DE can absorb as much as five pounds of water per cubic foot of media, enabling heavy entrainment to be captured and drained.

Weights	Dry DE	1.3	lb/ft <sup>3</sup>
	Fully wet DE	5.8	lb/ft <sup>3</sup>
Removal capacity per running foot of DE		0.395	gpm
Carry over velocity at maximum removal capacity		700	fpm
Maximum static pressure at carry over velocity		0.138	"H <sub>2</sub> O
Maximum safe height without horizontal stabiliser		36 *	in
Maximum single piece height available		72	in

\* at maximum velocity of 700 fpm

The image to the right represents a few of the sizes of Kuul DE available from Kuul - a 2.5" x 12" x 72" is the largest size currently available. If you need a larger height, please contact us for more information.

Note: If additional capacity is needed when heavy carry over from cooling coils is experienced, a double set of Kuul DE positioned in series with each other may be used.



Contact one of our Kuul® evaporative media experts today to get more out of your evaporative media  
The Kuul Effect goes well beyond the products we make.



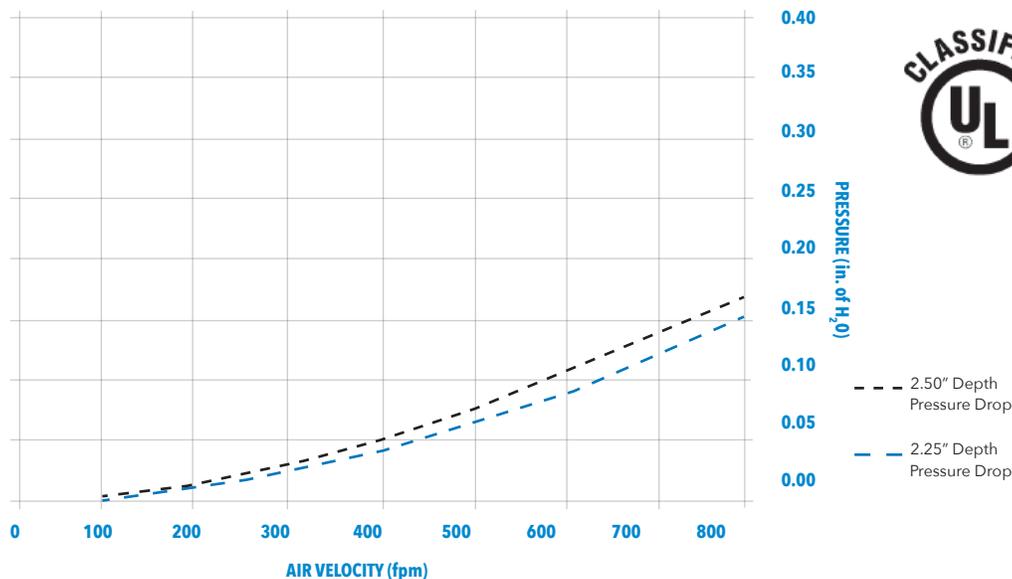
## Kuul Custom Cassettes

Don't forget to add custom cassettes to your evaporative media. Evaporative media cassettes allow the media to safely travel without the threat of bent corners or warped edges. The cassette shields the edges with a strong layer of protection to ensure it arrives to the intended location in mint condition. Using customizable cassettes, clients can request the exact size to match their unique system specifications without the need to troubleshoot and cut the evaporative media themselves once it arrives. The cassettes are also helpful during the cleaning process because the evaporative media is more accessible, making it easier to brush the surface to remove any scaling that might have occurred. Additionally, when switching out the media, the cassettes effortlessly slide into place, only requiring one-piece removal and placement instead of fitting together multiple pieces.

Kuul Evolution products are engineered to consistently produce the lowest pressure drops of all the evaporative medias on the market. Using Kuul evaporative media will effectively reduce energy consumption and overall cost of operation for your entire system.

You can also be assured you will receive the exact products specified. We guarantee all our Kuul evaporative media products to a quarter inch of specification. If it is not right, we will replace it.

### KUUL DE EVAPORATIVE MEDIA PRESSURE DROP



- The performance data shown above is independently tested and verified by a third party member of The International Federation of Inspection Agents under required, stringent testing conditions.
- Due to external factors including, but not limited to, installation practices, maintenance practices, water quality, humidity and ambient temperature, results may vary.
- For designed face velocities above 675 fpm, DE should be considered in the initial system design.
- Optimal operation temperature range of 36-125°F.
- Recommended maximum face velocity for Kuul Evolution with FirePro and DE combined should not exceed 900 fpm.
- Portacool, LLC is devoted to sourcing superior materials and manufacturing with the highest quality standards as well as ongoing product development. For current performance data, contact your Kuul® evaporative media expert.



To learn more, visit

[www.thekuuleffect.com](http://www.thekuuleffect.com)