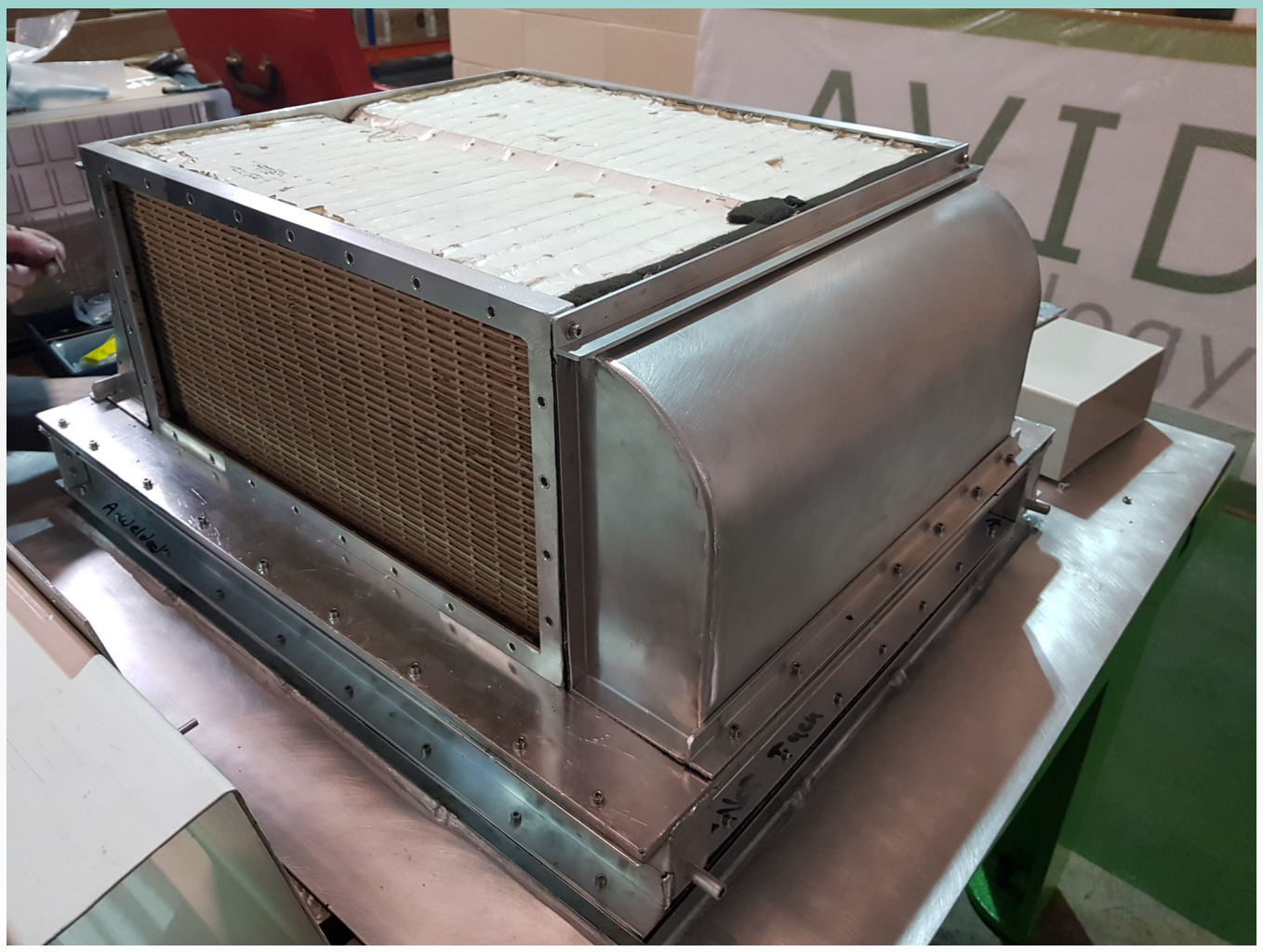
ENVIRO-MAC

A collaborative project between AVID Technology Ltd, University of Nottingham, EPS Ltd & PAK Engineering, to develop a dew point cooling system for automotive cabin cooling.



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EPS ENVIRONMENTAL PROCESS SYSTEMS LTD.

PAK Engineering

AVID technology

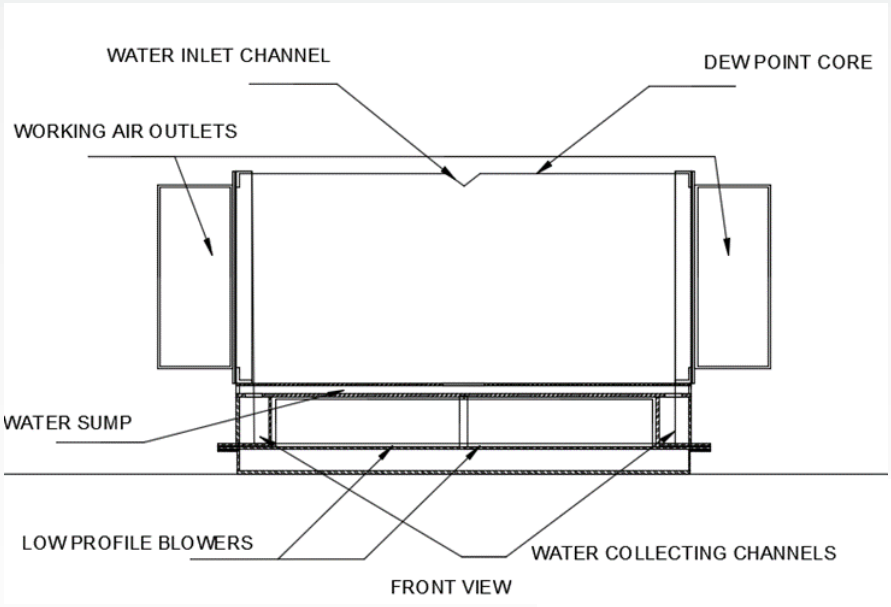
We work with Innovate UK

University of Nottingham
UK | CHINA | MALAYSIA

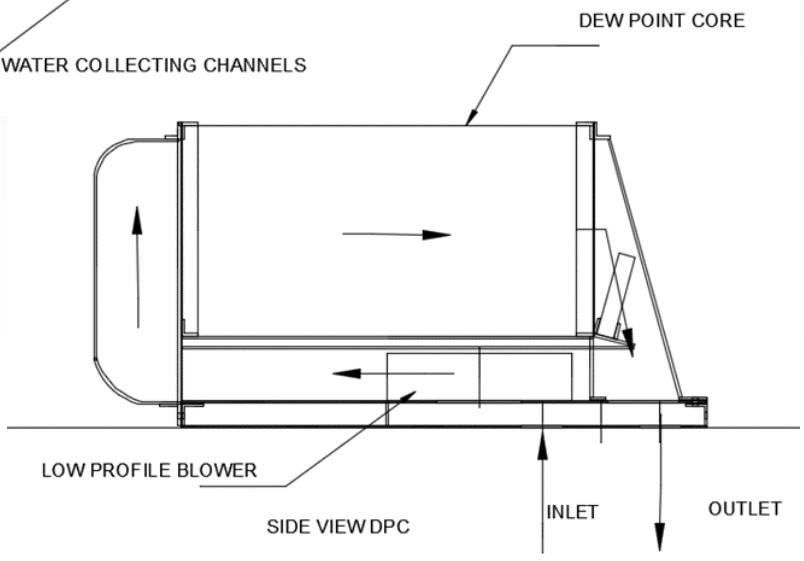
ENVIRO-MAC

Different technologies integrated into a light weight compact design for use in the automotive industry.

- Dew Point Evaporative Air Cooling Unit
- Powered using only Water & Small Electrical Ancillaries
- Compact Desiccant Rotor Technology for Water Recycling



Initial test unit designed for mounting on top of Heavy Duty Vehicles



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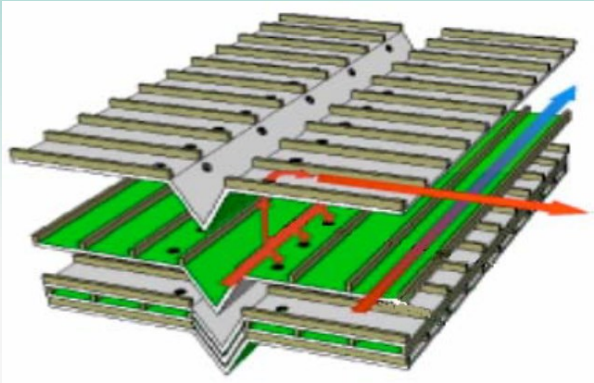
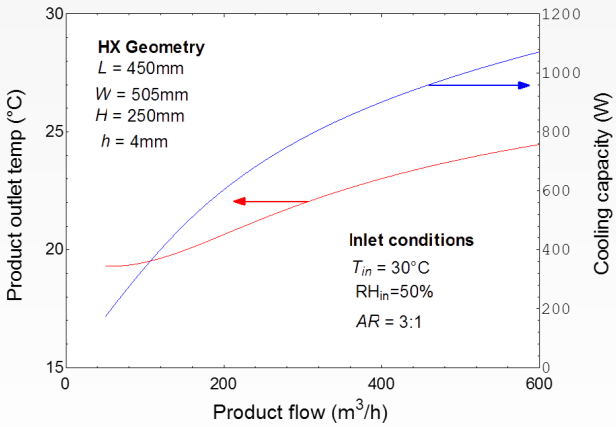
Current test results show proof of design concept with 95% Optimum Efficiency Rating and over 1kW of cooling power.

- Dew Point Cooling Unit method means no increase in Cabin Air Humidity
- Results show over 1kW Cooling Capacity
- 15K Temperature Drop
- Especially effective in low humidity environments
- Ultra Low Energy System means decreased fuel consumption
- Reduced need for Air Conditioning using R134a or HFC refrigerants
- Water Recycling increases system range & efficiency



Dew Point Cooling Method



Air Flow vs Cooling Power

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