

FUEL CELL STACK COOLING PACKAGE

Through cutting-edge innovation and Modine® state-of-the-art propriety heat exchanger technology, the EVantage™ Fuel Cell Stack Cooling Package (FC-SCP) delivers a complete thermal solution for your fuel cell electric vehicle. With the included master thermal controller and Modine-developed firmware, the FC-SCP predictively and cleanly manages the temperature of your fuel cell stack while minimizing power draw.



EFFICIENT

High-voltage fans minimize power draw



UTILITY

Fuel cell stack waste heat recovered for cabin heating



WEATHER SAFE

Designed for harsh environments – IP67 ingress protection, corrosion resistant materials, fully sealed wiring harness, rigorous validation testing



RELIABLE

Predictive cooling minimizes temperature swings for fuel cell stack longevity



CLEAN

Modine proprietary heat exchanger technology meets stringent conductivity requirements for fuel cell applications



EASY MAINTENANCE

Included Maintenance and Diagnostics Software for system monitoring, diagnostics message data logging and preventative maintenance tracking



PERFECT FOR MULTIPLE VEHICLE APPLICATIONS

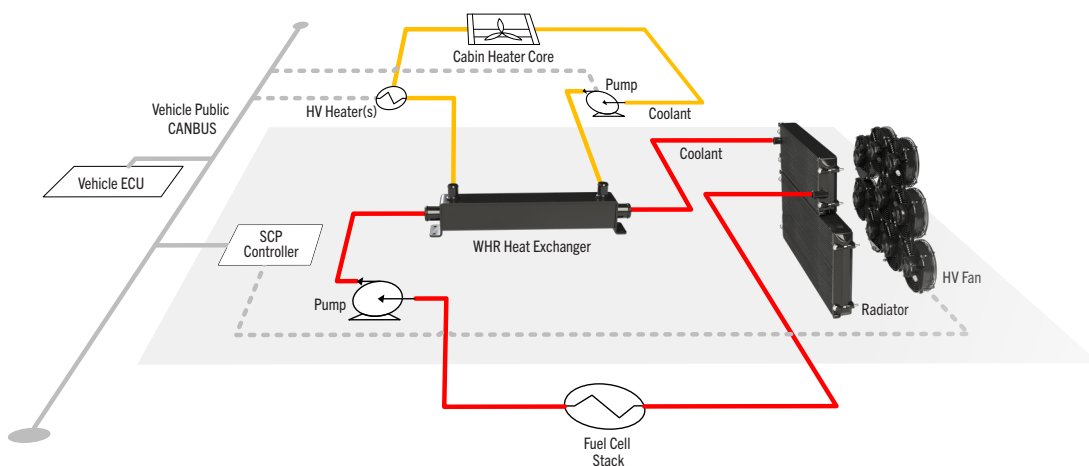


Our products are designed and tested at our headquarters in Racine, WI; and manufactured in Lawrenceburg, TN.



EFFICIENT COOLING PROCESS FOR YOUR FUEL CELL STACK

Using high-voltage electric fans for predictive passive cooling, the FC-SCP uses heat exchanger technology designed to meet fuel cell conductivity requirements and recovers waste heat from your fuel cell stack to warm your vehicle's cabin.



EVANTAGE™ STACK COOLING PACKAGE TECHNICAL DATA

	3-Fan	6-Fan	9-Fan
Maximum Cooling Capacity	55 kW	100 kW	190 kW
Cooling Capacity @			
Outside Temperature	45°C	45°C	45°C
Coolant Outlet Temperature	70°C	70°C	70°C
Coolant Flow	6,000 l/h	12,000 l/h	16,000 l/h
Maximum Power Consumption	2.1 kW	4.2 kW	6.8 kW
Dimensions (L x W x H)	800 x 700 x 300 mm	1200 x 800 x 300 mm	1600 x 1000 x 300 mm

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