



## FEATURES

- Defroster and Control Circuit.
- Two (2) Cooling Fans w/ Relays.
- Ten (10) Real World Faults for Diagnosis.
- Test Points for Diagnosis and Troubleshooting.

## SYSTEM DESCRIPTION

- A set of standard components come with the Airside package and include:
- Stagnation pressure source - Enter a measured or calculated cp distribution across the grille or at a single point. Automatically factor the cp distribution by the vehicle speed for accurate transient simulation.
- Three-way flap valve - Developed for HVAC systems to direct flow to different vents in the cabin, direct flow around or through the heater core, select between fresh outside air and re-circulated air.
- Fan drives - Torque-limited viscous drive, Temperature-sensing viscous drive, Friction drive, Electric motor.
- HVAC blower - Suited to the modeling of a blower commonly found in cabin ventilation systems.
- Radiator shutter - Controls the amount of ram air entering the radiator or heat exchanger. Used mainly on heavy commercial vehicles.
- Fan component - Commonly used in the modeling of the complete cooling pack.
- Segmented Controllers - Import velocity profiles as a surface for use in Steady State or control an array of values that vary dynamically in transient simulation.
- Automatic heat exchanger segmentation and viewing for accurate air flow rate and pressure drop calculation.
- 3D visualization of the cooling pack layout.
- A wide range of Airside specific components.
- Segmented controllers that allow detailed dynamic interaction between Flow master V7 Automotive and CFD applications.
- Airside specific help and tutorials to help users understand best practice and get up to speed as quickly as possible.
- Fully integrated airside and cooling system modeling in a common environment.
- Faster optimization and simulation of multiple cooling pack configurations.

Note: Specifications are subject to change.

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