

NAUTILUS



Coolant Distribution Module

Description:

A coolant distribution module that is capable of routing flows from 3 ways up to 22 ways. This valve optimizes packaging density and on/off flow capabilities to use only 2 actuators on designs with up to 6 modes of operation. The housing and all flow paths are hermetically sealed via plastic welding with zero external leakage. The design offers flexible porting locations and optional pump integration.

The valve provides absolute position sensing via the actuators, which allows for accurate real-time position data. The valve is immune to back pressure spikes, has low pressure drop and has a very low holding torque throughout operation. The integrated design provides a very cost competitive system solution.

***Technical Data:**

Configurable Porting: 3 Way to 22 Way

Configurable Modes: 2-6

Pressure Drop: <20kPa @ 25LPM^^

Shifting Current: <2A per Actuator

Speed: 6RPM

NVH: <50dbA

Connector Type: MLK (Code A)

Hose Connection: SAE J1231 and VDA QC^^^

LIN Communication: LIN Protocol 2.1 Version

Internal Rotary Sensor: $\pm 3\%$ accuracy

^Design can sometimes allow for a larger number of modes

^^At largest package size

^^^Flexible to other hose connection types

***Operating Limits:**

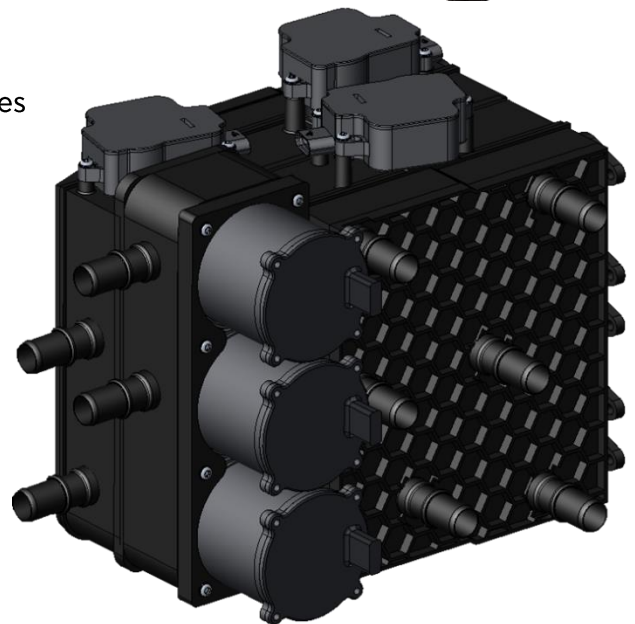
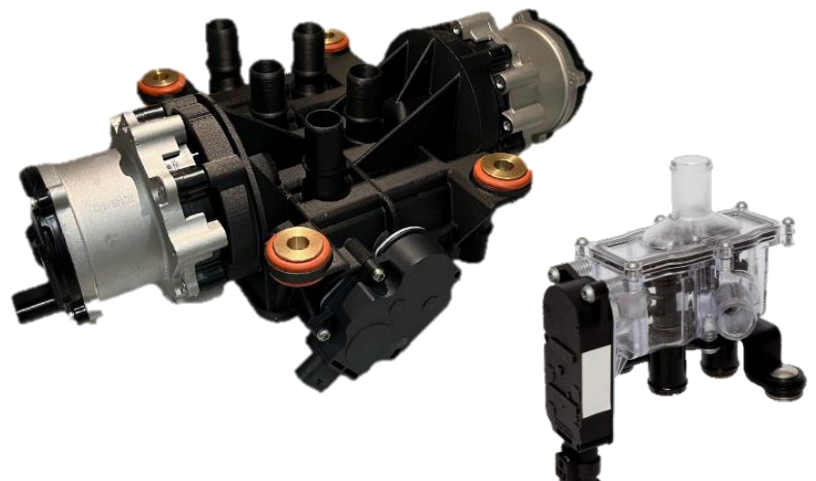
Supply voltage nominal: 12 ± 1 VDC

Supply voltage range: 9 to 16 VDC

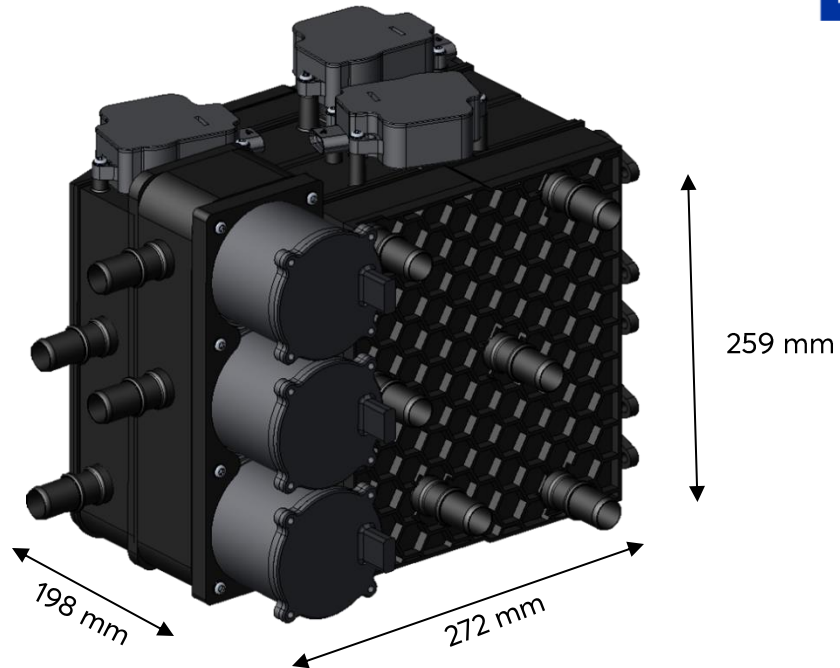
Temperature: -40°C to 90°C

Durability cycles: 300,000

*Contact Husco Engineering for customized performance solution.



Packaging Size



Manufacturing

Husco is a global company with facilities around the world. Options for manufacturing locations include North America, Europe, and Asia.

- USA
- Mexico
- China
- Eastern Europe

