

## BATTERY COOLING LOOP



Hutchinson Battery Cooling loop is able to optimize Temperature in the battery pack on the underbody.

Created exclusively in thermoset thermoplastic materials, this solution offers flexibility for installation and lightweight. Dimension and compact QC are key due to the layout constraints. Cooling performances and flow distribution are tailored to each customer's needs thanks to the smart choice of material, T sensors integration, and FEA simulations.

- Product family: **Battery pack**

## TECHNICAL FEATURES

- Multimaterial Thermoplastic lines (PA66, PP, PA12 etc..)
- Dedicated Quick Connectors

- Temperature Sensors on feed and return lines
- Welded solution on some application

## **BENEFITS**

- Energy Efficiency
- Sensor Integration
- Customizable

## **MARKET AND EXPERTISE**



AUTOMOTIVE & TRUCKS



Fluid Management Systems

## **ALL PRODUCTS FAMILIES**

# **All Products Families for Automotive Fluid Management Systems**



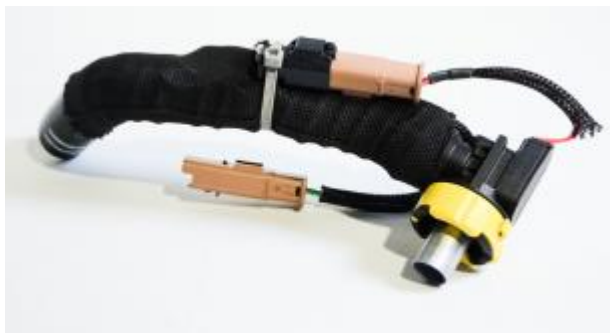
## **Air Conditioning**

Hutchinson offers a wide range of veneer, barrier or all-rubber hoses approved by all the global manufacturers. These hoses are assembled with crimping on aluminum or steel tubes, integrating our own-design high-performance IHX units in line with requirements. As vibro-acoustic specialists, we also offer innovative noise reduction systems.



## **Air Hose**

Our products operate across a wide temperature range and combine outstanding flexibility with very high thermal and chemical resistance. They include quick connectors and noise reduction devices. The textile-reinforced elastomer connectors are obtained through extrusion, wrapping or molding.



## **Depollution lines**

From pressure gauges for particulate filters to blow-by gas removal or even SCR systems...our solutions benefit from compact designs. For blow-by and SCR, our mechatronics department is also developing lines to deliver optimum

heating power aligned with each customer's needs.



## **QUICK CONNECTORS**

Our “connectors and mechatronics” department is able to offer several quick connector ranges for all fluid transfer systems (engine cooling and thermal management, fuel, turbocharged air intake, blow-by, SCR, air conditioning).