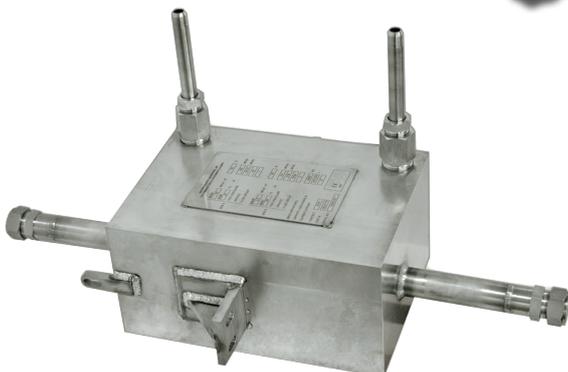


Hydrogen Cooling System: „Eagle 45 EU OD“

Eagle 45 is a low GWP booster cooling system operating with a R744 refrigerant.



Hydrogen Pre-Cooling Heat Exchangers realize many advantages for hydrogen fuelling, including virtually infinite B2B filling capability and significant savings due to low weight and fluid inventory. As a result, they fit within a small footprint such as dispenser cabinets.

Eagle 45 is a special hydrogen cooling system with a low GWP.

Like the Racoon, the Eagle is designed to work with a diffusion bonded heat exchanger, and provide the required cooling capacity for high B2B fillings following the SAE J2601 hydrogen refuelling standards.

Eagle 45 is designed to work at high ambient temperatures, till 45°C, thus the condenser works as a gas cooler at high temperatures.

It delivers 43kW cooling power at -40°C evaporation temperature and 40°C ambient temperature.

KUSTEC's control system, specially customized for Hydrogen cooling, guarantees high efficiency and reliability. The valves are electronically controlled while the compressors are coupled to inverters to ensure full system control.

Separate versions are available for the European and Australian markets accordingly.

Technical data



Cooling Capacity: 45 kW



Connection Load: ~ 126 kW



Temperature Protocol: T40 / MC Protocol



Refrigerant: R744



Application: Cars