



### UFI Filters provides thermal management systems for transmissions on Audi and Porsche's Premium Platform Electric

- Heat exchanger for Porsche Macan EV, Audi Q6 e-tron, A6 e-tron Avant and A6 e-tron Sportback on front and rear e-motor's transmission
- Heat exchanger manufactured with aluminum vacuum-brazing technology
- Increased efficiency through cross counterflow configuration

**Nogarole Rocca, 31 January 2024** – UFI Filters, a leading company in filtration and thermal management, as well as hydrogen-filtration technologies, takes a further step forward in electric mobility with the provision of the transmission oil-cooling system on Audi and Porsche's Premium Platform Electric (PPE).

The PPE-platform, developed by the brands for its modularity, is intended to underpin a large number of premium and luxury BEV – battery electric vehicle – models. Each new mid-range model, such as the Porsche Macan EV, Audi Q6 e-tron, A6 e-tron Avant and A6 e-tron Sportback – as well the RS versions – will feature a UFI cooler on transmissions mated to the front and rear e-motors, ensuring excellent performance.

UFI thermal management systems are manufactured in the modern plant in Opole, Poland, using aluminium vacuum-brazing technology, to provide a more robust and cleaner product. UFI coolers play a key role in keeping the transmission oil temperature within optimum operating values.

The front cooler consists of aluminium plates, with 11 layers for the passage of oil and 10 for the coolant, while the rear cooler consists of 14 layers for the oil and 13 for the coolant. The coolers are configured in diagonal counter-flows. This means that the oil and coolant flow in opposite directions, crossing each other's paths on alternating layers. This configuration extends the contact time of the liquids for the heat transfer process. The temperature management capacity improves as does the cooler's efficiency.

**Giorgio Girondi, Chairman of the UFI Filters Group**, comments: "Technological innovation and forward thinking are part of UFI's DNA, and this e-mobility project is proof of that. We are very pleased about the Volkswagen Group's confidence in our thermal management systems. It once again underlines the performance of UFI components".

#### UFI FILTERS SPA

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## PRESS RELEASE

### UFI Filters:

Founded in 1971, UFI Filters is a global leader in filtration technology and thermal management solutions, as well as hydrogen filtration. It serves a wide range of sectors – from automotive, aerospace and marine, to specialised industrial and customised hydraulic applications. Renowned for its innovation, UFI's products and know-how are found in all kinds of vehicles – from Ferrari and other top F1 teams, to the European ExoMars spacecraft.

UFI supplies the full range of air, oil, fuel, cabin, hydraulic and coolant filters as well as thermal management systems (including heat exchanger for combustion, electric and hybrid vehicles) to the automotive sector, meeting the needs of nearly all car brands and motorcycles as well as commercial, heavy duty (on-road and off-road) and agricultural vehicles. In the OE market, UFI is a leading filtration provider. Each family of filters within the company's two Aftermarket brands, UFI and SOFIMA, covers 98% of the European car parc.

One of the first Italian companies to identify growth opportunities in the Far East, today UFI has 21 industrial sites and employs over 4,000 people in 21 countries. It employs over 250 specialised technicians in its 3 Innovation and Research Centres and holds more than 280 patents. As a research-driven company, it reinvests over 5% of its revenues in R&D.

### **More information:**

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### **Images attached:**

UFI transmission oil cooler for PPE platform – front and rear views

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