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HELLA enhances thermal management portfolio with new, powerful components

- New electronic Valve Actuator and powerful Media Pumps complement existing product range
- Thermal management components improve service life, efficiency and performance of electric vehicles
- Series production launch of new HELLA solutions is scheduled for 2025

HELLA, the automotive supplier operating under the FORVIA umbrella brand, is expanding its existing thermal management portfolio with an electronic Valve Actuator and a high-performance Media Pump for coolant circulation. HELLA has now started series development of these new, high-performance components; market launch has been scheduled for 2025. The thermal management system controls the respective heat flows in the vehicle. This ensures that parts and components, such as engines or batteries can be operated within their ideal temperature range and that the vehicle interior can be air-conditioned according to individual needs.

"Sophisticated thermal management is an indispensable part of modern vehicle architectures. Above all, the trend towards electromobility is leading to a further increase in demand for corresponding product solutions," says Björn Twiehaus, HELLA Management Board member responsible for the global electronics business. "Our thermal management portfolio is already broad and includes numerous actuators, valves, pumps and system solutions. We are now launching two new components to further advance the electrification of mobility."

As pivotal components of an efficient thermal management system, HELLA's electronic Valve Actuator as well as the high-performance Media Pump ensure that coolant is directed through the coolant circuit of an electric vehicle as required. This ensures optimal temperature control of all critical components, for example battery and power electronics. Consequently, it is possible to increase the service life and efficiency of the lithium-ion battery, as well as boost the overall ranges of electric vehicles.

In the cooling circuit, the coolant is circulated by the high-performance Media Pump (MPX). With the start of production in North America, Europe and China, the pump will be available in the new 300 and 400 watt power categories to take into account the different requirements of the cooling circuit and vehicle architecture. It addresses the requirements of electric vehicles and can thus improve the performance, service life and safety of the high-voltage battery.

The electronic Valve Actuator (eVA) is responsible for controlling the multi-way valve that distributes the coolant in the cooling circuit. In this process, the actuator opens and closes the respective inputs and outputs of the valve, whereby the temperature of the coolant can also be controlled with a mixing function. The electronic Valve Actuator operates with a brushless motor and can therefore meet the high demands in terms of service life, efficiency and performance of future electric vehicles. eVA is available in two different torque categories and has been cost-optimised based on its modular platform approach.

HELLA can look back on more than forty years of expertise in actuator technology and is one of the world's leading automotive suppliers for many product groups. HELLA's thermal management portfolio also includes further actuators, pumps and highly integrated subsystems, such as the Coolant Control Hub (CCH), which, for the first time, combines all necessary functions for efficient thermal management in one product and will launch into series production in 2024. As individual components, both the eVA and the MPX have been integrated into the CCH.

Note: This text and corresponding photo material can also be found in our press database at:

www.hella.de/presse

About HELLA

HELLA is a listed, international automotive supplier that operates under the FORVIA umbrella brand. Within the de facto group, HELLA stands for high-performance lighting technology and vehicle electronics. At the same time, the company covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles with its Lifecycle Solutions business division. With a workforce of 36,000, HELLA operates at over 125 sites worldwide and generated a revenue totalling €6.3 billion in the 2021/2022 financial year.

About FORVIA

FORVIA combines the technological and industrial strengths of Faurecia and HELLA, which complement each other perfectly. With over 300 industrial sites and 77 research and development centres, 150,000-strong workforce, including more than 35,000 engineers, in over 40 countries, FORVIA offers a unique and comprehensive approach to today's and tomorrow's automotive challenges. FORVIA consists of six business groups with 24 product lines and a strong portfolio with over 14,000 patents. FORVIA strives to become the preferred innovation and integration partner for OEMs worldwide. FORVIA has set itself the goal of recognising the change in mobility at an early stage and of putting this into practice. www.forvia.com

For more information, please contact:

Dr. Markus Richter
Company spokesperson
Phone: +49 (0)2941 38-7545
markus.richter@forvia.com

HELLA GmbH & Co. KGaA
Rixbecker Strasse 75
59552 Lippstadt / Germany
www.hella.com