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## **Eaton launches PFS 02 particle flow sensor: a compact solution for continuous monitoring of contamination levels in hydraulic and lubrication oils**

**ALTLUSSHEIM, GERMANY ...** The Filtration Division of power management company, Eaton, has enhanced its condition monitoring portfolio with the new PFS 02 particle flow sensor. This compact sensor offers a reliable, in-line solution for continuous contamination monitoring of hydraulic and lubrication oils and is suitable for operating pressures of up to 6,000 psi (420 bar). While Eaton’s previous particle measuring devices consisted of two separate components - the sensor and the evaluation unit - the PFS 02 particle flow sensor integrates both into a single unit, effectively replacing both the CCM 01 set and CCT 01 set.

The PFS 02 particle flow sensor provides immediate and accurate diagnoses of contamination levels within a system. This allows users to quickly implement countermeasures when particulate concentration rises, preventing consequential damage and costly repairs. With multiple options for managing measurement results, including serial interface, CAN-Bus interface, and analog output capabilities, the sensor can be easily tailored to users’ specific requirements. Additionally, the bright graphic display and keypad facilitate effortless adjustments to all relevant settings.

“The PFS 02 particle flow sensor is a versatile solution that is designed to mount directly to stationary systems for continuous or periodic monitoring but can function as a mobile monitoring solution as well” explains Simone Ortner, Hydraulic Filtration Engineering Manager of Eaton’s Filtration Division.

The PFS 02 particle flow sensor has two Minimesh® connections for easily connecting the sensor to the system, generally in the offline circuit. The functional principle is the light blockade principle – the laser sensor gives output signals that are dependent on particle size, and the electronic transforms these into numbers and size. The measurement results can be displayed according to ISO 4406:99, SAE AS 4059, NAS 1638 and GOST 17216 standards.

For more information about Eaton's new PFS 02 particle flow sensor, visit

<https://www.eaton.com/us/en-us/catalog/filters-strainers/pfs02.html>.

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The PFS 02 particle flow sensor is a compact particle sensor for reliable and precise contamination monitoring in hydraulic and lubricating oils.

#### **About Eaton's Filtration Division:**

Eaton's Filtration Division is a leader in liquid filtration that can help companies improve product quality, increase manufacturing efficiency, protect employees and equipment, and help achieve sustainability goals. Eaton employees around the world make a difference for their customers by creating an exceptional customer experience, solving problems with application expertise and developing innovative filtration solutions. Eaton's filtration products are manufactured and sold worldwide. For more information, visit [Eaton.com/filtration](https://www.eaton.com/filtration).

Eaton is an intelligent power management company dedicated to protecting the environment and improving the quality of life for people everywhere. We make products for the data center, utility, industrial, commercial, machine building, residential, aerospace and mobility markets. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power – today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's

transition to renewable energy sources, helping to solve the world's most urgent power management challenges, and building a more sustainable society for people today and generations to come.

Eaton was founded in 1911 and has been listed on the New York Stock Exchange for more than a century. We reported revenues of \$23.2 billion in 2023 and serve customers in more than 160 countries. For more information, visit [www.eaton.com](http://www.eaton.com). Follow us on [LinkedIn](#).

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