

INTELLIGENT FILTRATION

The next generation

With their robust, user-friendly designs, intelligent Liquid/intelligent Liquid Gas (iL/iLG) advanced filtration systems from HETA offer versatile solutions for critical media across diverse applications

As an evolution of the KS/KSH - slot type filter, which has been completely redesigned by HETA Verfahrenstechnik GmbH according to the latest scientific and technological standards, the new intelligent Liquid/intelligent Liquid Gas (iL/iLG) filtration system meets the increasingly complex demands of the market.

Both filter types have already proven their robustness and cost-effectiveness in practical applications. Numerous small improvements have resulted in a filtration system that is now also equipped to handle particularly critical media. User-friendliness, ease of operation, and low maintenance requirements are key features that make this system stand out.

FILTRASMART

The innovative FiltraSmart control system, equipped with a touchscreen display, sets new standards in filtration technology. The filter can be flexibly adjusted and aligned for any application, without needing to consider physical dependencies during cleaning.

Mechanically, both systems offer efficient 2-phase separation. Through tangential inflow into the housing and an internal baffle plate, a “cyclone before separation” is generated, which removes the first dirt particles as they enter. The medium then flows through the filter elements and exits in a purified state.



The FiltraSmart control system monitors differential pressure and can document additional parameters such as temperature or flow rate upon customer request. It also provides notifications of spent filter elements and enables direct communication with the control

Above:
The HETA iL filter

CASE STUDIES

The iL series is currently facing new challenges in the Middle East. In a PED recycling plant, it must reliably remove impurities from liquid polymer at temperatures up to 200°C and pressures up to 60 bar, while minimizing losses during discharge from the system.

The iLG series has also proven successful in South America, where lithium is being extracted in a water-scarce region. At an altitude of 4,000 m, there is no room for error, which is why the intelligent HETA filtration system is trusted. The iLG series offers high efficiency, fully automated filtration at a fineness of 20 µm, and almost no backwash losses.

center via Wi-Fi or LTE. The system is intuitive, with a visualization on the touchscreen that is familiar to any smartphone user.

The iL/iLG filtration systems are virtually universal and cover almost all applications – from chemical and food industries to process water filtration and the oil and gas industry. There are virtually no limits to their application or the type of medium being filtered.

ABOUT THE AUTHOR

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