Product leaflet

Insight Monitor

Monitoring panel solution for pure system monitoring or pulse jet filter cleaning control purposes.

Insight Monitor

- Full filtration system monitoring from extraction, filter cleaning, up to dust handling and storage for any kind of pulse jet cleaned filtration system.
- Improved filter cleaning with IntelliPULSE™ control algorithm lowering emissions, compressed air consumption, maintenance time and improving capture and system safety (Insight Monitor+).
- Enhanced touch screen with modern and intuitive Human Machine Interface.
- Fieldbus communication enables connectivity with third-party devices and facilitates integration with other control systems, Building Management Systems (BMS) and SCADA solutions.
- Insight Ready having gateway integrated, which allows to connect to Nederman's cloud based IIoT platform Insight.

Insight Monitor enables full system monitoring. Throughout the system, a series of sensors are installed that collect key performance metrics on the operation of the collector and fed it back to the panel.

Insight Control is a digital touchscreen controller that collects sensor data and offers a user-friendly interface. It complies with industrial alarm standards and acts as a gateway to connect to Nederman's cloud-based IIoT platform, Insight. This platform is designed for filtration systems, providing real-time monitoring, visualization, and tracking of system performance. Users can access live data via web or mobile devices, enabling effective operation and maintenance of their filtration system.

Insight Monitor is available with two software configurations. In its basic configuration Insight Monitor can be used for pure system monitoring of any new or existing pulse jet cleaned filtration system. With Insight Monitor + also the control of the filter cleaning for pulse jet cleaned Nederman SmartFilters is enabled. The included IntelliPULSE™ cleaning algorithm enhances filtration effectiveness and extends the lifespan of filter bags. This technology utilizes an advanced algorithm to maintain a consistent pressure differential (dP) setpoint while minimizing the frequency of filter pulse cleaning. By optimizing the off time between pulses, energy consumption for filter cleaning is significantly reduced. With fewer cleaning cycles, the filters experience fewer micro-tears, leading to a longer filter lifespan and reduced replacement costs.

Insight Monitor

Certifications	CE
Protection class	IP 66
Installation	Indoor

Models

	Item no
	73008840