

# TECHNICAL DATA SHEET

## CONTROLAIR EMISSION:

Advanced control of dust emissions into the atmosphere



CONTROLAIR EMISSION is the Iperjet electronic solution designed for continuous monitoring of dust emissions in industrial filtration systems.

An advanced system that ensures environmental compliance, operational safety, and protection of the working environment.

## REAL-TIME EMISSION CONTROL

CONTROLAIR EMISSION uses a 4–20 mA triboelectric probe (Tribo-Check) to detect dust presence in the airflow in real time. This technology allows to:

detect leaks in the filtration system

detect damaged filter bags or cartridges

continuously monitor filter efficiency

## GUARANTEED ENVIRONMENTAL COMPLIANCE

Continuous emission monitoring allows to:

comply with current environmental regulations

prevent exceeding emission limits

reduce the risk of penalties and corrective actions

CONTROLAIR EMISSION is a key tool for sustainable plant management.

## DISTINGUISHING FEATURES

### IMMEDIATE ALARMS TARGETED INTERVENTIONS

The system allows pre-alarm and alarm thresholds to be set directly from the display.

In case of anomalies:

- the system immediately signals the critical condition
- it is possible to intervene quickly and in a targeted manner
- downtime and environmental remediation costs are reduced

### PERFECT FOR REVAMPING AND REGULATORY COMPLIANCE UPGRADES

CONTROLAIR EMISSION is designed for:

- installation on systems already in operation
- quick integration without structural modifications
- immediate improvement of environmental control

Ideal solution for existing systems

### CONNECTIVITY AND INDUSTRY 4.0



The system supports:

- Bluetooth
- Wi-Fi
- GSM
- MQTT and Modbus RS485 protocols

Enabling remote emission monitoring and integration with centralized supervision and control systems.

## CERTIFIED SAFETY

### CONTROLAIR IS AVAILABLE WITH:

ATEX certification for explosive atmospheres

cUL / CSA certifications for international markets

A guarantee of reliability even in the most critical applications.

## WHY CHOOSE CONTROLAIR EMISSION

- ✓ Continuous emission monitoring
- ✓ Rapid detection of broken filter bags
- ✓ Assured environmental compliance
- ✓ Reduced risks and remediation costs
- ✓ Ideal for retrofit
- ✓ Remote control and IoT connectivity