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New FAAST XT

Increased Coverage, Better Defense.

28,800

Sq. Ft.

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FIRE ALARM ASPIRATION SENSING TECHNOLOGY®

[redacted]

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Aspirating Smoke Detection Overview

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Definition of Aspirating Smoke Detection (ASD)

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An aspirating smoke detector draws air into its sensor to detect smoke. These devices typically include:

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Definition of Aspirating Smoke Detection (ASD)

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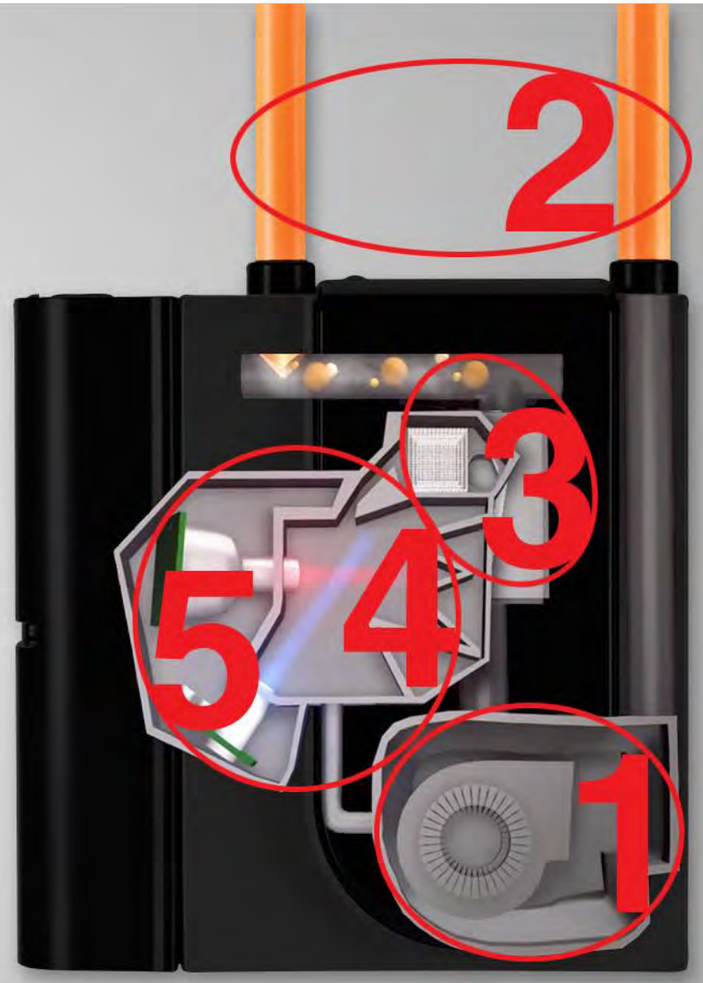
An aspirating smoke detector draws air into its sensor to detect smoke. These devices typically include:

1. Aspirator or Fan
2. Piping and Sampling Points
3. Filter
4. Sensing Chamber
5. High Sensitivity Sensor



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FAAST Filtration

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Multi-stage filtering and intelligence separates and distinguishes nuisance particulate from smoke.

[redacted]

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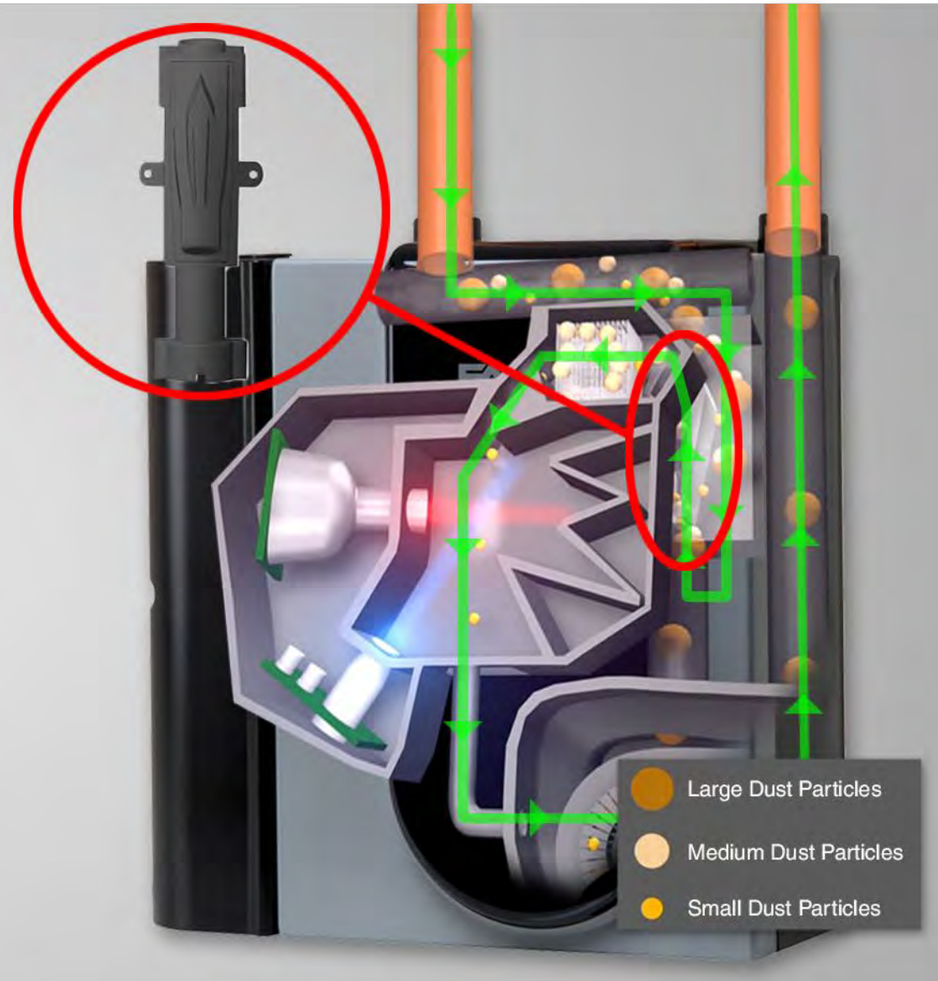

Patented Particle Separator

- Particle separator removes larger contaminates before they enter the detection chamber and filter
- Extends the life of the device

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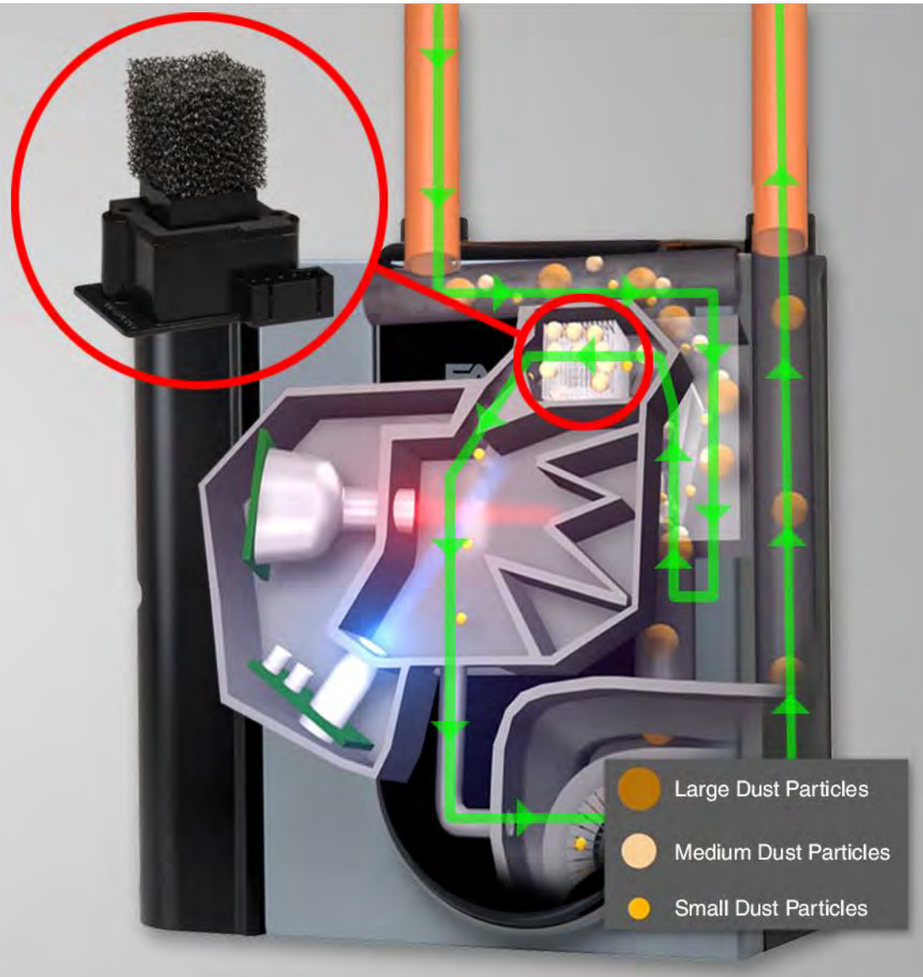

Field-Replaceable Filter

- 30 micron
- Only 1 filter to easily change
- An initial warning is given to change the filter and a Minor fault is generated
- If the filter is not changed within 72 hours, an Urgent fault is generated

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FAAST Operation

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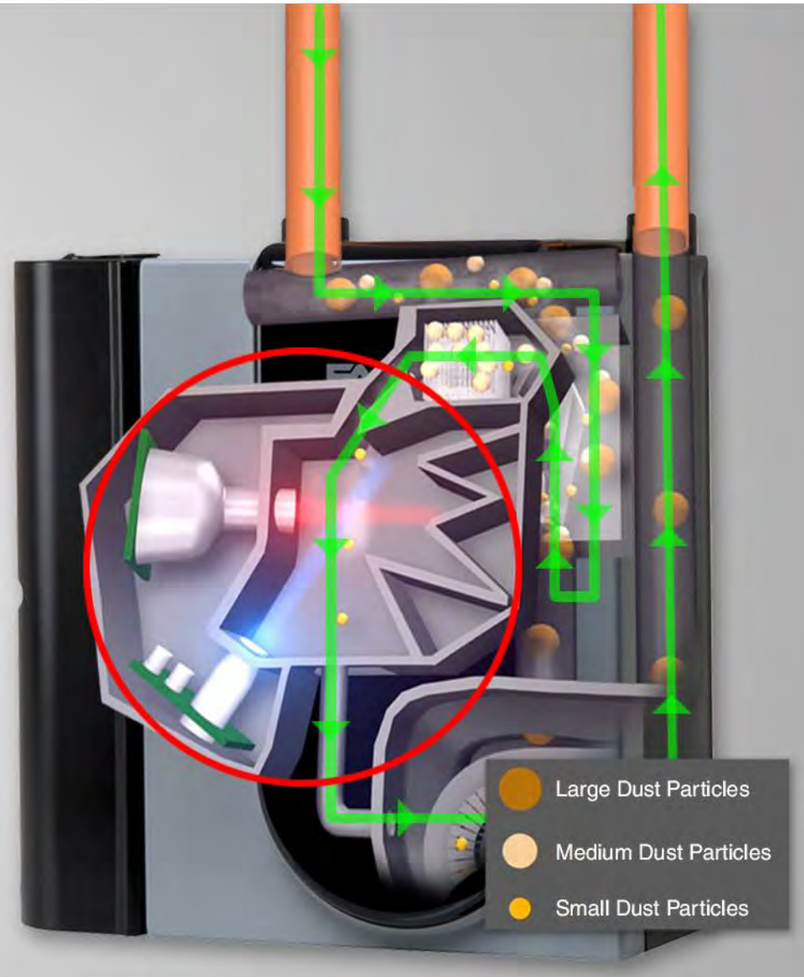
- **Air from the sampling tube is filtered, large nuisance particulates (dust, dirt, etc…) are discarded**
- **Blue LED identifies fire particulates**
- **Infrared Laser identifies non-fire particulates**
- **Advanced Algorithms discriminate between nuisance particulates and smoke**



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FAAST Connectivity Options

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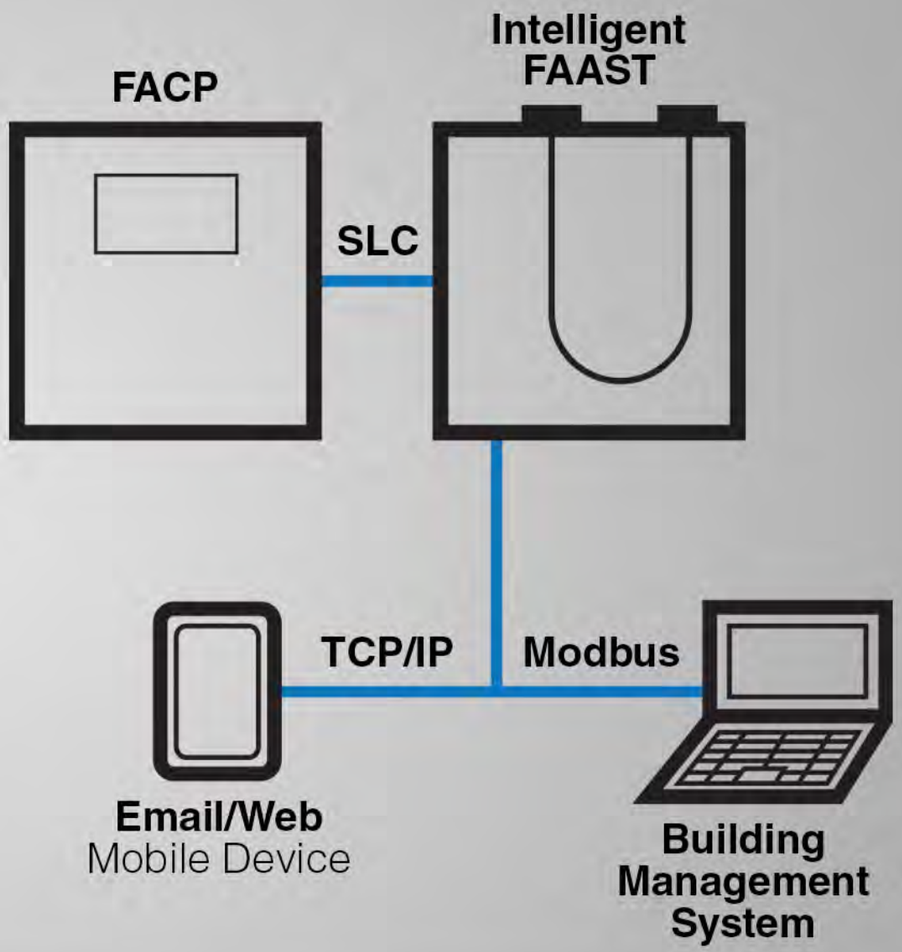
- **SLC Addressable models communicate directly over the existing fire alarm signaling network**
- **Integral Ethernet capabilities enable remote configuring options using PipeIQ**
- **Internal Web Server allows remote monitoring from anywhere in the world via web browser**
- **Modbus communications over TCP/IP or Serial modbus**



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Introducing FAAST XT
28,800 Sq. Ft. Coverage

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FAAST 9400X

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4 Ports – 28,800 Sq. Ft. Coverage

- Ultrasonic airflow sensing per inlet and through sensing chamber for the most accurate system health monitoring
- 3 Fan Speeds for optimal operation (465 mA-high, 340 mA-med, 220 mA-low)
- USB for easy commissioning – no external power needed
- Serial and TCP Modbus
- Three stage filtration technology:
  - Patented Particle Separator
  - Replaceable Filter
  - Dual Vision Sensing Technology

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FAAST 9400X

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4 Ports – 28,800 Sq. Ft. Coverage

- 4 numbered ports with top or bottom access
- Maximum single pipe length – 400’
- Maximum aggregate pipe length – 1050’
- Operating temperature – 32˚F to 100˚F
- Sampled air temperature - -4˚F to 120˚F
- Current listings: UL, ULC, and FM

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Intuitive User Interface

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4 Ports – 28,800 Sq. Ft. Coverage

- FAAST family look
- 4 general fault conditions
- New LCD interface for at a glance status update
  - Detailed fault information
  - Detailed flow information
  - Test/Isolate/Disable/Reset Baseline
  - Event history
  - View configuration
  - Set time
- Easy Access Replaceable Filter

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FAAST & FAAST XT Comparison

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	FAAST (8100)	FAAST XT (9400X)
Model Number	8100 – Conventional	9400X – Conventional
Agency Listings	UL, ULC, FM, CSIRO, ACTIVFIRE, CNTC, VdS, CE, KFI, CSFM, Class 1/Div II	UL, ULC, FM (additional listings pending)
Coverage Area	8,000 sq. ft. (743 sq. m.)	28,800 sq. ft. (2,676 sq. m.)
Max Single Pipe	262 ft.	400 ft.
Fan Speed	Single Speed	User Configurable 3 Speed Fan
Sofware	PipeIQ 2.0	PipeIQ 2.0

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PipeIQ 2.0: Pipe Design, System Configuration and Device Monitoring Software

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PipeIQ 2.0 – Overview

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- **Pipe design, system configuration and device monitoring software**
- **FAAST does not need to be connected for pipe design and system settings**
- **Once programmed, settings are downloaded using FAAST's Ethernet connection**
- **PipeIQ is also available for use while connected to the Internet**
- **Download at systemsensor.com/FAAST**

PipeIQ™
Design, **Configure, Monitor**

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Aspirating Smoke Detection Applications

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Applications – Mission Critical

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- Computer and Data Processing
- Telecommunications
- High-Tech Manufacturing

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Applications – Historical/Aesthetics

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- Museums
- Churches
- Mansions

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Applications – Difficult Environments

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- Cold Storage
- High Rack Storage
- High Humidity
- Dirty, Dusty

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Applications – Security Concerns

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- **Prisons**
- **Hospitals**

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FAAST Support Materials

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- Comprehensive Application Guide
- FAAST Brochure
- White Papers
- Datasheet
- Pipe Installation Guide
- Installation and How to Videos

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FAAST Design Support

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Have an application?

- Let us help you with a design – FOR FREE.
- Just fill out a few questions at systemsensor.com/faastdesign
- Nick Gomez, Design Expert
- nicolas.gomez@systemsensor.com
- 630.762.5426

Need certification training or end user support?

- Luis Barros, Sales Engineer
- luis.barros@systemsensor.com
- 203.558.9172

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Summary of FAAST XT & PipeIQ 2.0

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FAAST Summary – Simplicity + Integration

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Early Warning Aspiration Detection

- Advanced nuisance alarm rejection

Extensive integration options:

- Direct SLC connectivity, ModBus on board, Ethernet via web browser and email server

FAAST XT covers up to 28800 sq. ft. in a single device

- Ultrasonic airflow sensing per inlet and through chamber for the most accurate monitoring

Patented 3 stage filtration allows use in the harshest environments

- Suited for a wide variety of applications, not **just** mission critical

PipeIQ 2.0

- Pipe design, system configuration and device monitoring software

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Question & Answer

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