

Aspect GRIZZLE

Aspirating Smoke Detector

AE2010G



GRIZZLE

- Two separated areas for connection of pipelines.
- Sensitivity according to EN54-20, class B and C.
- Up to 2x100 m pipeline per area (class C).
- Tight enclosure with overpressure keeps dust away from the control electronics.
- Internal supervision warns of operating faults (clogged filters, air flow and fan faults), mains and battery faults.
- Built-in emergency power supply.
- The ASPECT GRIZZLE may be connected to Elotec fire alarm panels, or function as a stand-alone device with an integrated control panel.

Approvals / certificate numbers

CPD

0786-CPD-21084

VdS

G 211092

FC

ASP-1019/12 (GRIZZLE C)
 ASP-1020/12 (GRIZZLE A)
 ASP-1021/12 (GRIZZLE S)

The ASPECT GRIZZLE consists of an aspirator cabinet with built-in fan, filters and two chambers for smoke detection. Naturally occurring gases, particles and condensation are separated from fire gases and smoke before detection takes place.

The Grizzle sensor represents a revolution in nephelometry, and separates dust from smoke through an advanced air analysis.

This provides reliable detection of visible smoke, even in corrosive environments with excessive amounts of airborne dust with dimensions almost like smoke particles. Covers the entire spectrum – from server rooms to heavy industry/parking garages.

The Grizzle sensor accepts gases that normally occur in the detection zones without giving unwanted alarms, while maintaining the required sensitivity according to EN54-20, classes B and C.

The ASPECT is very easy to install. External mounting flanges simplifies mounting on the wall, and hinged covers provides simple access to connection terminals and filters.

Specifications

Operating voltage	230 VAC, 50 Hz
Current consumption	500 mA max.
Enclosure rating	IP44
Operating temperature	-30 °C to +55 °C
Aspirator fan	450 Pa radial fan
Dimensions (W x H x D)	272 x 530 x 143 mm

Ordering information

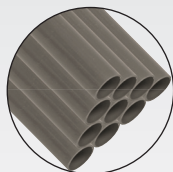
AE2010G-V	GRIZZLE C for Voice
AE2010G-C	GRIZZLE C for Colt
AE2010G-M	GRIZZLE A for Magnum 10/25
AE2010G-R	GRIZZLE A for Royal
AE2010N-S	NITRO S (stand-alone unit)
BA 700	Battery, 12V / 7Ah
AU 002	Exhaust kit

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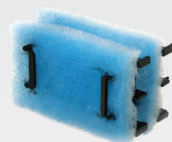
Accessories

AE2010



25 mm plastic pipe: PL 252

An internal Ra value of 1.6 contributes to avoiding build-up of dust and bacteria in the pipeline, and to ensuring optimal functionality with respect to transportation of smoke.



Filter kit, 5pk: FI 003 KP

Progressive filters prevent dust from contaminating the sensors. Comes complete with frames for quick and easy replacement.



Pipe joins: SK 252

Extra long sleeve couplings with included sealant provides excellent connections in the pipeline and prevents pipes slipping apart.



Condensation reservoir: LK 501

Install in front of ASPECT to remove condensation from the sampled air before it enters the detection chamber. UV-resistant plastic ensures that the LK 501 can handle exposure to direct sunlight over time.



Bend, 90°: BE 252

Sleeve couplings bent at 90 degrees, including the same sealant as regular couplings.



VULCAN dust- and condensation filter: VF 250 com

Install in front of ASPECT to remove both dust and condensation from the sampled air before it enters the detection chamber. Used when securing rooms with extreme amounts of dust.



Bend, 45°: BE 252-45 (A/B)

Sealant as in the standard bend. Two versions: female/female (A) and female/male (B). The "B" variant can be combined with "A" or the 90 degree bend to facilitate easy adaptation of the pipeline in twisting or difficult areas.



Sniffer

Sniffers are the extended arms of the pipeline, able to be stretched through ceilings from church lofts and such. This way, the pipeline may be hidden, and the system appears as virtually invisible.



Fastening clips: CL 250

Standard fastening clips for pipelines are quickly and easily mounted in the ceiling, and the pipes are then pressed into place.



Pipe branch: GG 256

80 cm pipe branch for extended sampling points. Used for simple detection both over and underneath shadow curtains in greenhouses.



Fastening clips: CL 250 W

Fastening clips for wire suspension of pipelines. Silk wire is strung through the room, and the pipeline is pressed into the clips and pushed onto the wire from one end.



Exhaust kit: AU 002

Used to lead exhaust air back into rooms with large underpressure. Can also reduce fan noise or avoid the spread of odours if an ASPECT installed in an office environment samples air from livestock rooms or similar.

