

## PRODUCT DATASHEET

### AutroGuard® Air duct sampling unit BWP-143A/AG

#### Features

- Designed for AutroGuard® protectors
- Detects smoke in ventilation ducts
- Alarm indicator visible through the lid
- Reduces dust and other deposits on the protector
- Junction box for easy connection
- Sampling pipes available in different lengths

#### Description

The AutroGuard Air Duct Sampling Unit BWP-143A/AG is designed for early detection of smoke and combustion products in ventilation ducts of commercial and industrial applications.

All AutroGuard protectors can be mounted in an air duct sampling unit to detect smoke in ventilation ducts.

The principle of operation is based on the Venturi effect. The unit is mounted on the outside of the duct with the sampling tubes extending into the HVAC duct. Air flowing through the duct will cause a differential pressure across the inlet tube and the exhaust tube. This pressure sets up an airflow through the housing where the airflow is forced to pass the detector head.

#### Connections

The unit provides a junction box for easy connection to the detection loop (AutroSafe / Autroprime interactive fire detection systems).

1. In (-)
2. Out (-)
3. Common (+)
4. LED



Part number	Description
116-BWP-143A/AG	Air duct sampling unit for AutroGuard® protectors

Autronica delivers the following pipe kits in different lengths:

Part number	Description
116-BJ-358/100	Pipekit L=100
116-BJ-358/150	Pipekit L=150
116-BJ-358/300	Pipekit L=300
116-BJ-358/550	Pipekit L=550
116-BJ-358/800	Pipekit L=800

### Technical specifications

Dimensions box	HxWxD = 250 x 175 x 100 mm
Weight	
116-BWP-143A/AG	1575 g
116-BJ-358/100	123 g
116-BJ-358/150	172 g
116-BJ-358/300	322 g
116-BJ-358/550	570 g
116-BJ-358/800	820 g
Materials	Polycarbonate / steel
Colour Light grey / transparent	Light grey / transparent
Air velocity in duct	4-25 m/s
Cable inlets junction box	Membrane glands
Maintenance	Necessary dust cleaning
Service	Replace detector if faulty
Degree of protection	IP55

### Dimensions

