

ADAPTER FOR VENTILATION DUCT BWP-143A-SS (STAINLESS STEEL)

Fire detection systems
Product Datasheet

Features

- Designed to detect smoke in ventilation ducts
- Reduces dust and other deposits on the detector
- Stainless steel version (AISI316L)
- Terminal blocks for easy connection

Description

BWP-143A-SS is designed for early detection of smoke and combustion products in ventilation ducts of commercial and industrial applications.

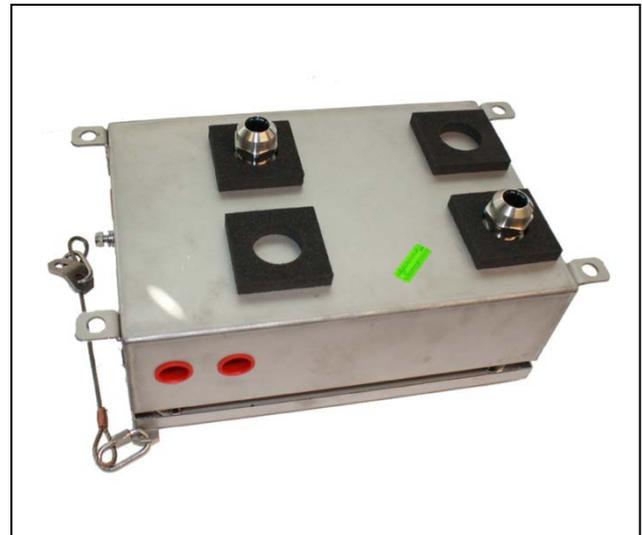
The adapter is mounted on the outside of the duct with the air sampling tubes extending into the HVAC duct. Air flowing through the duct will cause a differential pressure across the inlet tube and the exhaust tube. This pressure sets up an airflow through the housing where the airflow is forced to pass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

All detectors using detector base BWA-100 can be mounted inside the adapter. The detector needs to be ordered separately.

Air sampling tubes

The length of the sampling tubes should be (approximately) between 2/3 and the full width of the duct.

Air sampling tubes are available in several lengths and must be ordered separately. See list on the next page.



When using sampling tubes above the length of 800mm, it should be considered if mechanical support inside duct is needed.

The BWP-143A-SS is delivered with 6 holes for glands or plugs $\varnothing 20$ mm. Plastic plugs for transport is included.

The type of glands and plugs must be according to local regulations and requirements.

Glands, plugs and locking nuts are NOT part of delivery and shall be specified separately. An overview of some available fittings in Autronica's portfolio is on the next page.

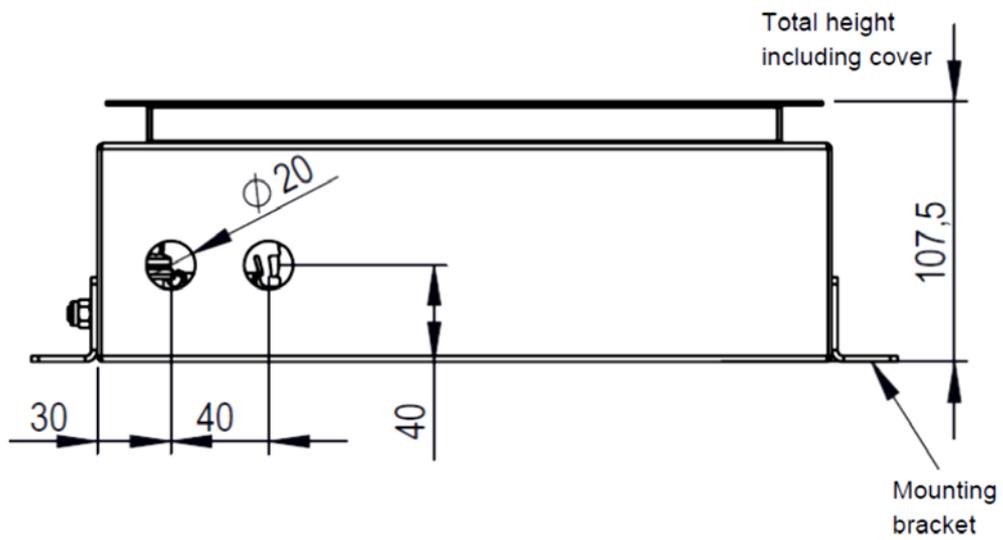
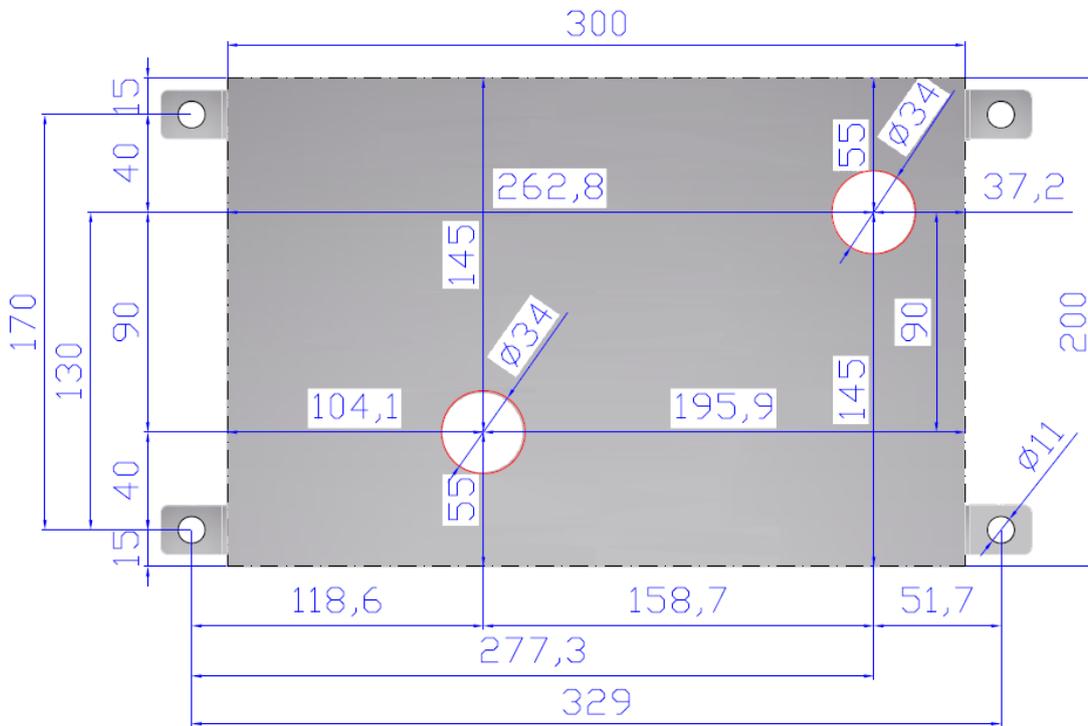
| Product Name | Part number | Description |
|--------------|-----------------|-----------------------------|
| BWP-143A-SS | 116-BWP-143A-SS | Control and Monitoring Unit |

| Part number | Description |
|-----------------|-------------------|
| 116-BJ-358/100 | PIPE KIT L=100mm |
| 116-BJ-358/150 | PIPE KIT L=150mm |
| 116-BJ-358/300 | PIPE KIT L=300mm |
| 116-BJ-358/550 | PIPE KIT L=550mm |
| 116-BJ-358/800 | PIPE KIT L=800mm |
| 116-BJ-358/1000 | PIPE KIT L=1000mm |
| 116-BJ-358/1500 | PIPE KIT L=1500mm |

| Part number | Description |
|-------------------|--|
| 116-6571-070.2020 | CABLE GLAND A2LBFNP20M20 - (Ø20mm) <ul style="list-style-type: none"> - Nickel plated brass - IP66 and IP68 - Cable dia. min 9,4mm / max 14,0mm |
| 116-6530-030.0020 | SPMH/NP/M20 BLIND PLUG - (Ø20mm) <ul style="list-style-type: none"> - Nickel plated brass - IP66 and IP68 |
| 116-6531-006.0920 | GLAND NUT M20X1.5 BRASS - (Ø20mm) <ul style="list-style-type: none"> - Nickel plated brass |
| 116-6571-072.2020 | CABLE GLAND M20 A2LDSSF/20 SS - (Ø20mm) <ul style="list-style-type: none"> - Stainless steel - IP66 and IP68 - Cable dia. min 9,4mm / max 14,0mm |
| 116-6530-030.0120 | BLIND PLUG M20 SPMH1SF/M20 - (Ø20mm) <ul style="list-style-type: none"> - Stainless steel - IP66 and IP68 |
| 116-6531-020.0020 | GLAND NUT ACSLN/M20X1.5 SS - (Ø20mm) <ul style="list-style-type: none"> - Stainless steel |

| Technical specifications | |
|--------------------------|---|
| Dimensions box | HxWxD = 200x300x118,5mm |
| Materials | AISI316L, acc. NS-EN-10088-2, 1.4404 |
| Colour | Grey (stainless steel) |
| Weight BWP-143A-SS | 4835g |
| Weight BJ-358/100 | 123 g |
| Weight BJ-358/150 | 172 g |
| Weight BJ-358/300 | 322 g |
| Weight BJ-358/550 | 570 g |
| Weight BJ-358/800 | 820 g |
| Weight BJ-358/1000 | 1020 g |
| Weight BJ-358/1500 | 1520 g |
| Air velocity in duct | 4-25 m/s |
| Cable termination | Terminal |
| Maintenance | Depends on the local environment. Recommended actions 6-12 months after installations. Includes cleaning, visual inspection, re-tightening of screws and glands. For details, refer to Mounting Instructions. |
| Service | No serviceable parts. |
| Degree of protection | IP66 - Depending on the chosen glands and blind plugs |
| Cable inlets | 6 Ø20 mm holes for glands or plugs |

Dimensions



Air flow

