


TECHNICAL DATA

valid from 04/2017

Automatic Air Blast Systems for Aspiration Smoke Detectors Techconnet BlowOff Type BO 2.1HD - BO 2.4 HD 24 V DC

Tested by VdS according to EN 54-20*

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|  | <p>Steel case IP 65 Powder-coated; colour RAL 7035-light grey Dimensions: width 700 mm, height 500 mm, depth 250 mm</p> |
| <p>Compatible to all professional Aspiration Smoke Detectors (ASD) with 1 to 4 sensor pipes applicable for pipes up to 300 meters</p> | <p>The BlowOff is installed between the ASD and the sensor pipe system. It cleans the sensor pipes with compressed air</p> |
| <p>Already existing ASD equipment can also be equipped with 1 to 4 pipes BlowOff systems</p> | <p>By controlled air-blast of the sensor pipes existing pollutions are removed, new deposits are prevented. Thus, BlowOff guarantees a continuous flow of air to the ASD and prevents failures of the early fire detection</p> |
| <p>Control is carried out automatically by a PLC-timer and by a special program</p> | <p>Air-blast times are pre-programmed: 4 times per day (1:00 am, 7:00 am, 1:00 pm, 7:00 pm) or in individual intervals</p> |
| <p>One inch valves (FESTO electro-pneumatic valves) guarantee unhindered intake pressure</p> | <p>Each sensor pipe can be cleaned unscheduled manually via external switches.</p> |
| <p>Simple modular integration and fitting in the ASD equipment with external mounting brackets</p> | <p>4 drillings with M8 dowels</p> |
| <p>Standard pipes (25 mm Ø) outside with adapter 28x25 mm</p> | <p>Easily accessible from outside</p> |
| <p>Quick-coupler for the pressed air</p> | <p>Compressed air max. 7.0 bar, oil-free and dry</p> |
| <p>Electrical connection: 24 V DC, from 0,75 to 2,5 mm² Power consumption: approx. 2,2W/24V=91mA, max. approx. 5,2W/24V=215 mA</p> | <p>Protection class: IP 65 standard version</p> |
| <p>Operating temperature: -5°C to + 40°C without heating; -20°C to +40°C (with heating- optional)</p> | <p>Optional: adjustable, built-in cabinet block heater ensures safety even at lowest ambient temperatures.</p> |
| <p>INPUT contact is available to deactivate air-blast in case of pre-alarm or alarm of the fire detection system</p> | <ol style="list-style-type: none"> 1. Unscheduled air-blast 2. Deactivate air-blast |
| <p>OUTPUT contact is available to prior notification of an air-blast interval to the ASD equipment in order to prevent fault messages of the fire detection system during the air-blast process</p> | <ol style="list-style-type: none"> 1. Signalling contact to the ASD 2. Output contact to the ASD 3. Optional: monitoring of the air pressure <p>Potential-free N/O output contact for other signalling purposes</p> |

*ASD of Xtralis VESDA, Wagner. Further tests are running with the ASD Systems of Bosch Sicherheitssysteme GmbH – under der VdS No 151371-AU01 and System Sensor Life Safety Distribution AG – under the VdS No. 151371_AU03.

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