

The Blazer / V3.0

Fully automated ASD (Aspirating Smoke Detection) air purging system

- ✓ Cleans the sampling holes
- ✓ Cleans the external dust filter
- ✓ Reduces pollution flow faults
- ✓ Avoids unscheduled service calls
- ✓ Maintains high ASD detection sensitivity
- ✓ No disruption to end-user operational processes
- ✓ Reduces overall maintenance costs
- ✓ Increases equipment lifetime



Autonomous operating & maintenance solution for ASD systems

An Aspirating Smoke Detector offers superior early warning fire detection in a range of environments. However in dusty applications frequent maintenance can be required to ensure the desired sensitivity is maintained. As sampling holes and filters become blocked with accumulated dust, the airflow is reduced which will then affect the sensitivity and accuracy of the detector. This may also result in frequent and costly maintenance visits.

The Blazer V3.0 is an automatic air purging system, capable of removing dirt from the sampling holes and external filters by using pulsating compressed air.

The Blazer V3.0 operates autonomously. An integrated controller starts a cleaning cycle, with selectable interval programs, cleaning up to 4 independent sampling channels and their filters.

By using **The Blazer V3.0** maintenance visits can be less frequent, thereby reducing associated costs. An additional benefit is the extended lifetime of the detector filters and sensors, lowering total cost of ownership (TCO).

Operation of The Blazer V3.0

The Blazer V3.0 requires an external air compressor and 24Vdc power-supply.

Triggered by the selected time schedule:

- The operating relay is switched on
- First stage isolates the first sampling channel from the ASD detector
- Second stage cleans the external filter
- Third stage purges the sampling holes
- Last stage is a repeat cleaning of the external filter
- If more channels are involved, the system starts purging the next channel

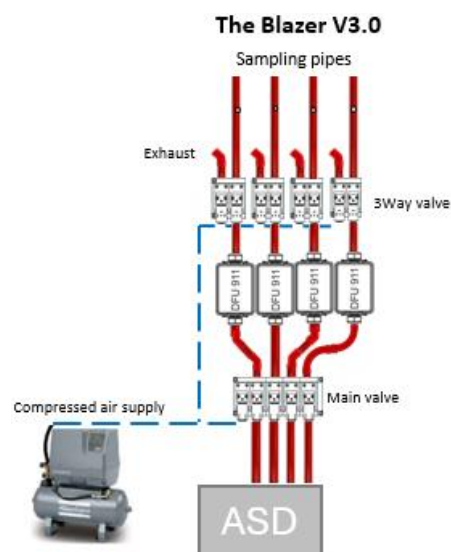
Cleaning time for 1 channel is approximately 1 minute 20 seconds.

The unique 3-way valve ensures the dust from the external filter is expelled via a separate valve outlet.

Both the total cleaning duration and pulse frequency can be customized in the controller.

Using pulsating compressed air ensures the most effective cleaning possible.

The Blazer is equipped with a sensor to continuously monitor the air pressure supplied by the external compressor. A fault output will be activated if the air pressure drops below 60 PSI.



Technical specifications The Blazer V3.0

Part numbers:	ETBU-101-V3 (1ch), ETBU-202-V3 (2ch), ETBU-303-V3 (3ch), ETBU-404-V3 (4 channels)
Sampling pipes:	25mm / 3/4 inch diameter
Operation power:	24 Vdc Nominal (18-30Vdc)
Current:	Standby 5mA, 350mA Peak current during operation
Housing:	Steel, powder coated RAL 7035
Dimensions:	31.50 x 23.62 x 11.81 Inches
IP rating:	IP66 (complies with NEMA 4)
Weight:	80.5 – 87.1 lbs
Output relay's PLC:	System Fault (NC) / System Operate (NO)
Display:	Operating status, settings, etc.
Scheduler:	Daily, weekly, hourly – work days/weekends
Compressor coupler:	1/2" bsp 1/2 inch female connector
Buffer tank:	Minimum 32 gallons @ 90 PSI
Compressor power:	Minimum 4.1 hp
Air pressure:	58 – 116 PSI
Compressed Air Quality:	Oil-free, ISO 8573-1:2010 Class 1.4.1
Warranty:	1 year from manufacturing date
Website:	https://www.theblazer.eu/



“The Blazer is compatible with all aspirating systems”



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