

The Blazer

Fully automated ASD air purging system

- ✓ Reduces pollution flow faults
- ✓ Avoid unscheduled service calls
- ✓ Maintain high ASD detection sensitivity
- ✓ No disruptions of end-user operational processes
- ✓ Reduce overall maintenance costs
- ✓ Increase equipment life-time



Autonomous operating-maintenance solution for ASD-systems!

An Air Sampling Detector offers superior early warning fire detection, however in dusty environments frequent maintenance is required to ensure the desired sensibility is maintained. As sampling holes get cluttered by accumulated dust, the airflow gets reduced which then will affect the sampling hole sensitivity. This may also result in frequent and costly maintenance visits.

The Blazer is an automatic air purging system, capable of removing dirt from the sampling holes by using pulsated compressed air.

The Blazer operates autonomous. An integrated controller starts a cleaning cycle with selectable interval programs, cleaning up to 4 independent sampling channels.

By using **The Blazer**, maintenance can be as frequent as required without the associated high costs. An additional benefit is the extended life-time of the detector filters and sensors, lowering total cost of ownership.

Operation of The Blazer

The Blazer requires an external air compressor and power-supply in order to operate. Triggered by the selected schedule, the first sampling channel will be isolated from the ASD-detector and the pulsating high pressure air will blow-out any dirt from the sampling holes. After completion of the first channel, the normal airflow to the detector is restored and cleaning of the next channel is started.

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

Part numbers:	ETBU-101 (1ch), ETBU-202 (2ch), ETBU-303 (3ch), ETBU-404 (4 channels)
Sampling pipes:	3/4 inch diameter
Operation power:	24 Vdc Nominal (18-30Vdc)
Current:	Standby 50mA, 1.15A during operation
Housing:	Steel, powder coated RAL 7035
Dimensions:	15.75 x 11.81 x 8.27 inch
IP rating:	IP66 (complies with NEMA 4)
Weight:	26.7 - 34.2 lbs
Output relay PLC:	System Fault (NC) 10A/30Vdc
Display:	Operating status, settings, etc.
Scheduler:	Daily, weekly, hourly – work days/weekends
Compressor coupler:	1/2" BSP x 1/2 inch female coupler
Buffer tank:	Minimum 25 gallons @ 90 PSI
Compressor power:	Minimum 2 hp
Air pressure:	60 - 115 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 designed to be compatible with all leading aspiration systems.

