

BIOGAS & LANDFILL GAS ENCLOSED FLARE SYSTEM

Energy360 has been manufacturing flares as ABM Combustion in Australia for over 16 years. Our flares are installed in over 60 sites across Australia and all are operating with nil or minimal maintenance, outside their annual service regime.

ABM flares are engineered with a design life of at least 25 years. This is achieved by utilising equipment that has been tested and proven to operate efficiently in harsh environments created by biogas or landfill gas applications.

As an Australian manufacturer, owned and operated by Australian's, we are available to provide after sales service and can provide a range of spare parts, which can be replaced within a few days; ensuring there is minimal flare downtime.



FEATURES

- High turndown system
- 1400 °C stacked on edge fibre lining
- 900 °C chamber temperature
- > 0.5 residence time
- Destruction level 98%
- Standard sizes from 20 m³/h to 750 m³/h
- Temperature control via air dampers
- UV flame detection
- LPG Augmentation
- Stainless steel stack and pilot burner
- Flat bottom flame arrestor eliminates liquid collecting in housing
- Fully compliant with all Australian standards and regulations

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OPTIONS & ADDITIONAL FEATURES

- Knockout Pot with Condensate Level Monitoring
- Methane Analyser with Low Methane Interlock
- Oxygen Analyser with High Oxygen Interlock
- Biogas Flow Meter
- Stainless Steel Pilot Burner
- Air Compressor
- Fully Automated PLC Control, Eliminating the Requirement for Manual Throttling
- Remote Monitoring Using a 4G Modem and Wireless Monitoring
- Intelligent Screen Display
- Automatic Modulating Control Valve to Maintain a Stable Air to Biogas Ratio
- Data Logging to Satisfy CFI Requirements is Recorded by the OCS Every 15 Minutes
- Premium Biogas Fan Upgrade
- Fully Secured with Roof, Side Panels and Lockable Gates
- 3D Modeling and Advanced Design



Knockout Pot



Methane Analyser



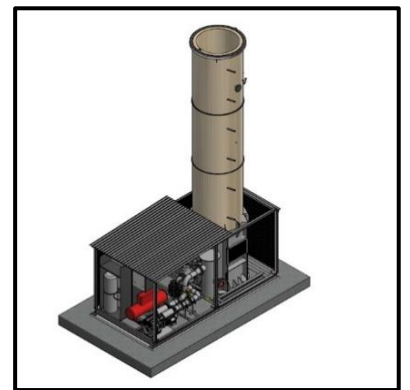
Pilot Burner



Modulating Control Valve



Automatic Air Dampers



3D Modeling

STANDARD FLARES TECHNICAL INFORMATION

	BIOGAS CAPACITY		BIOGAS CAPACITY		TURNDOWN
	LANDFILL / AD (60% CH4)		ABATTOIR WWTP (75% CH4)		
	Flow (m ³ /hr)	Pressure (kPa)	Flow (m ³ /hr)	Pressure (kPa)	
SEF010	20-100	-10 to -12	15-75	-2 to 0	5 : 1
SEF020	40-200	-10 to -12	30-150	-2 to 0	5 : 1
SEF050	100-500	-10 to -12	70-350	-2 to 0	5 : 1
SEF075	150-750	-10 to -12	120-600	-2 to 0	5 : 1



Interactive Stainless Steel Control Panel

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