



**GASVAC**  
COALSEAM GAS EXTRACTION &  
DRAINAGE PLANTS



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**TECOM**



## GASVAC - EFFECTIVE REMOVAL OF COAL SEAM GASES

Over the last two decades, TECOM has designed and built every size of gas drainage plant, available from the smallest skid mounted flare units operating at around 750 l/s up to massive fixed gas flaring plants.

Our mine site gas plant GASVAC is a custom built mobile unit, either mounted on a trailer or skid to guarantee highest flexibility allowing the customer to move the plant in line with site specific operation requirements.

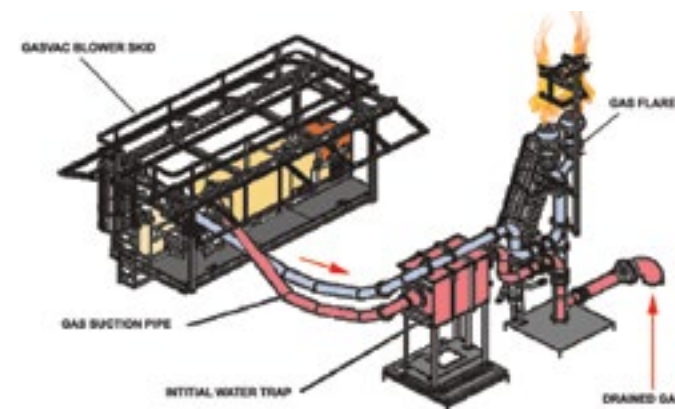
The GASVAC mobile flare plant comes in three recommended sizes:

- 1,000 l/s = 3,600 m<sup>3</sup>/h
- 2,000 l/s = 7,200 m<sup>3</sup>/h
- 3,000 l/s = 10,800 m<sup>3</sup>/h

Every GASVAC plant is designed to meet site specific requirements, although some items come as standard:

- PDA blower or liquid pump to ensure
  - ▶ Vacuum > - 30 kpa
  - ▶ Output > 6 kpa
- Pilot flame & monitoring of pilot
- Monitoring of O<sub>2</sub>, CO<sub>2</sub> & CH<sub>4</sub> gases
- PLC control circuits with HMI
  - ▶ Remote radio telemetry optional
- Slam shut solenoid valves
- Flash back arrestor
- Flare stack, 10.5 m tall
- Vapor-liquid separator (flash drum, break-pot, knock-out drum or knock-out pot)

Our GASVAC plant is designed to meet the toughest standard guidelines and site requirements.



## COMPLETE GAS DRAINAGE & EXTRACTION SOLUTIONS

TECOM AUSTRALIA was one of the pioneers of Gas Drainage Systems (GDS) in New South Wales. We have built our reputation on providing the right solution for the individual needs of our clients. As with coal seam gas, there is not a one size fits all approach.

This is why even the largest corporations choose TECOM to provide the solution to gas drainage or extraction.

Coals seam gas, extracted directly from the seam or drained from the goaf regions of the mine, can be handled or processed in at least four separate ways:

- Fuel - Natural gas powered electrical generators, giving power to the mine or electrical supply grid
- Compression to a liquid form of natural gas and sold on the open market
- Flaring to reduce green house gas emissions
- Gas venting to the atmosphere

TECOM has the ability to provide a turn key solution for the plants we supply.





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