The SG-18 smoke generator has been developed to provide, in a very short time, a visual camouflage or masking to protect sensitive sites and areas.

Current threats have highlighted the need for facilities to quickly camouflage sensitive sites.

The SG-18 smoke generator uses a smoke fluid, injected into the exhaust gases of a gas turbine, to produce a smoke screen and thus provide a visual camouflage or masking to protect a site against optical or laser guided weapon systems. The SG-18 can generate a cloud with an adjustable density, or smoke screens in the infrared spectral range, by means of a dedicated additional device.

The SG-18 consists of a self-contained quick-setup module (less than 3 minutes preparation) and is designed to operate as a fixed unit or from a vehicle. It can operate from a static position to protect air bases or buildings, or dynamically (moving vehicle) to protect the deployment of personnel or vehicles.

The reliability of the SG18 system has been proven with over 300 units in deployment.
SG18  GROUND SYSTEM

Operating envelope
Altitude: 0 to 6,560 ft
Temperature: -95 to +122 °F

Supply systems
All turbine fuels
Self-contained oil system

Performance
Smoke-screened area: 15 m high at a distance of 100 m from the generator after 30 s of smoke emission
Consumption:
  Fuel consumption: 1.3 l/min
  Smoke fluid consumption: 9.2 l/min

Dimensions and weight
Length: 44.5 in
Width: 20.8 in
Height: 20.8 in
Height (feet extended): 31.1 in
Dry weight (without battery): 209 lbs

Microturbo (Safran) specializes in the design and production of high-technology power systems and propulsion systems. State-of-the-art and reliable power solutions offered include the large proven range in Microturbo gas turbines, but also innovations resulting of an important R&D investment and strategic partnerships. Microturbo is a world leader in the field of power systems and propulsion systems and has delivered over 13,000 units.

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