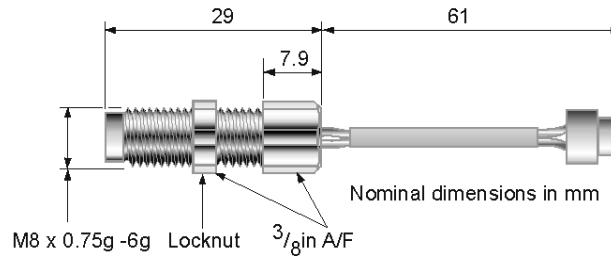


# **Leaffield**

**Engineering Limited**



## **GAS GENERATOR C91-122**

### **GENERAL DATA**

Mass	10g
Material	Brass body
Connector type	2 pin micro connector
Installation	Locknut provided for secure assembly
Operating temperature	-40°C to +70°C
Storage temperature	-55°C to +70°C
Life (20°C)	15 years (minimum)
HSE classification	1.4S
Net explosive content	225 ±5mg Black powder

### **PERFORMANCE**

Typical output	250 Bar peak pressure in 2.0cm <sup>3</sup> volume within 20ms of firing pulse
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### **ELECTRICAL CHARACTERISTICS**

Circuit resistance	1.7Ω
Maximum no fire current	0.2A
Recommended fire current	0.9A
Maximum test current	0.01A
Insulation	>150MΩ at 100VDC

Note: This device can be modified to comply with customer requirements

Issue 04.02

# Leaffield Engineering Limited

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## PRODUCT SAFETY DATA SHEET

### 1. PRODUCT NOMENCLATURE

GAS GENERATOR C91-122  
DEVELOPMENT BATCH 54E3348

### 2. USES

Used to produce hot gas.

### 3. HAZARDOUS INGREDIENTS

<u>Material</u>	<u>Hazard</u>	<u>Nominal Per Unit mgm</u>	<u>Occupational Exposure Standards</u>
BLACK POWER G12	Explosive	230 max.	

### 4. PHYSICAL PROPERTIES: CHEMICAL PROPERTIES, SENSITIVENESS CHARACTERISTICS

#### Physical Properties

Appearance Brass Body. Hazardous material contained within brass body.

#### Chemical Properties

Incompatible with acids and alkalis.

#### Sensitiveness Characteristics

Sensitive to flame may burn to cause operation.

Conditions to avoid: open flame, electric spark, or charge exceeding the specified no-fire current, prolonged exposure to temperatures above 125°C.

IRH92017

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Registered Office as above. Registered No. 634776 (England)

# Leaffield Engineering Limited

## 5. HEALTH HAZARDS

### Precautions

Hazard may result if an attempt is made to tamper with or dismantle these devices before operation. Hazard resulting from inadvertent operation caused by emission of hot gas/flame.

## 6. FIRE AND EXPLOSION

These devices will operate in the presence of excessive heat, typically above 125°.

Hazardous decomposition: None. No outgassing produced.

## 7. STORAGE PRECAUTIONS

Store in original packaging in well ventilated, dry store.

Storage life in original packaging is 15 years under ideal temperature conditions (20°C).

## 8. TRANSPORT, PACKAGING AND LABELLING

These items are classified 1.4S as a temporary classification, as required for transport, packaging and labelling. Transport for development batches by company transport.

## 9. PROTECTION INFORMATION

Eye protection during installation.

## 10. DISPOSAL INSTRUCTIONS

Used or life expired devices, may be returned to Leaffield Engineering Ltd for disposal.

## 11. EMERGENCY ACTION

Fire represents the principal risk to safety due to the likelihood of operation. If possible and without risk to safety the devices should be removed from the immediate location of a fire.

If the packaging is burning, do not attempt to fight fire.

Call emergency services. Evacuate the immediate area.

## 12. ADDITIONAL INFORMATION

Refer to Leaffield Engineering Ltd  
Tel 0225 810771

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