

Chemring Energetics UK's range of Gas Generators are designed for use in lightweight modular systems where high risk fire sources require automatic protection. CEUK are able to provide custom designed solid Gas Generators which are ideal for rapidly expelling powder or for use with liquid systems where a controlled pressure output is necessary. The basic purpose of the Gas Generator is the controlled evolution of gas at a desired pressure to evacuate various sizes of fire suppression cylinders in a short amount of time. The Chemring Energetics UK site at Ardeer has been producing energetic devices for over 100 years and is world renowned for its expertise in this industry.

### Advantages

#### Greater Control of Pressure

The pressure is only generated when the system functions and is controlled to provide the most effective pressure/ time profile for the application.

#### Weight savings

No gas bottle, no pressure vessel, no pressure regulator

#### Space Savings

Reduced pipework

#### Little or no maintenance

No pressurised gas to check

#### Enhanced Performance

Low Operating pressures; uniform output

#### Simple to Install

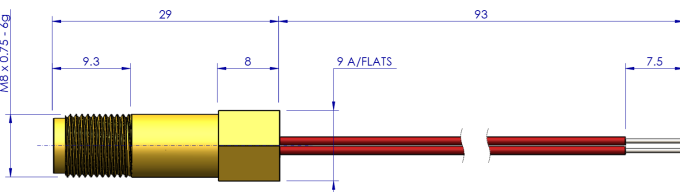
No mains water or power supply required

#### Highly Reliable

Developed from Aerospace Technology

#### Safe

The absence of pressurised cylinders reduces the dangers that are apparent in alternative designs



### Specification

Available cable finishes:	C81
Nominal Energy (Millijoules)	6
Resistance Range (Ohms) (dependant on cable finish)	0.9—1.6
Shelf Life (ambient)	10
Operating Temperature (°C) (for up to 20 hours provided any temperature greater than +70°C occurs immediately prior to firing)	-40 to +70
No-Fire Current 5 sec Pulse (Amperes) (The fuzehead may be desensitised by being subjected to currents between the maximum recommended monitoring test current and the No Fire Current (inclusive) and is not guaranteed to fire afterwards.)	0.3
Min Single Fire Current (Amperes)	DC: 0.6 DC: 1.0
	10ms pulse: 0.9 recommended
Series Firing Current (Amperes) (CEUK recommend a minimum of 3 Amps to initiate more than one device in a circuit.)	3
Function Time (Milliseconds)	10—20

### References

Product Code	DR4002/C81
Hazard Class	1.4S
UN Number	0323
Proper Shipping Name	CARTRIDGES, POWER DEVICE

### Shipping

Quantity per pack	200
NEQ	0.0125kg
Dimensions	300 x 160 x 190mm

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For more information visit:

[www.chemring.com/chemring-energetics-uk](http://www.chemring.com/chemring-energetics-uk)

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