

MIG-CO2 Activator

for Carbon Dioxide Power Systems Worldwide

UTEC Corporation is pleased to announce that there is now a readily available universal CO2 "Activation-Unit" for use in all Industrial Carbon Dioxide 'Pressure-Gas-Tube' systems; regardless of point of origin or manufacturer. The MIG-CO2 Activators have been fully tested and verified for use with all currently produced 'Pressure-Gas-Tube' devices and hardware that is now being used for industrial purposes worldwide.

The MIG-CO2 Activator has been developed, formulated, and manufactured in the USA under very stringent Quality, Process, and Testing parameters.

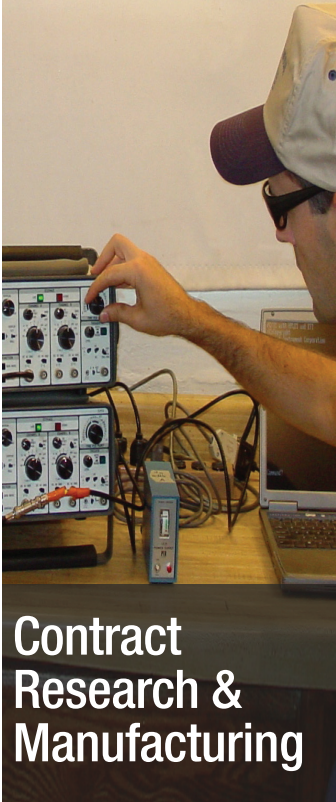
The MIG-CO2 Activators are available in 2 standard sizes depending upon the Pressure-Gas-Tube configuration that you are currently employing to 'get the job done'.

- Rapidly expanding CO2 gas
- Fractures, Dislodges materials of concern
- Controlled and focused release of energy

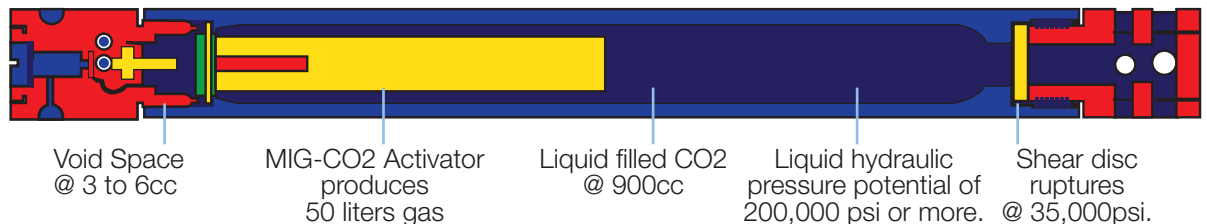
The MIG-CO2 Activators are packaged in boxes of 100 activation-units in each box and contain both 100 steel rupture discs and 100 copper sealing rings necessary for complete operation of the Pressure-Gas-Tube apparatus within its proper industrial application.

Each activation-unit regardless of size is manufactured with rigorous quality standards at every step of the process.

Added features which are unique to the MIG-CO2 Activators are the additional 'shunt-wire' attached to the internal 'spring-wire' conductor and to the outside metallic 'sealing-ring'. This added feature insures that there can be no outside influence or stray current (static-discharge etc.) from inadvertently activating the internal igniter within the activation unit. A second feature unique to the MIG-CO2 Activator is also located onto the plastic plug. This is the rubberized 'end-cap' which helps to keep the shunt-wire in place and to protect the plastic plug and internal spring-wire conductor from any inadvertent damage or disruption.



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In addition, on the bottom end of the unit, to complete the closure of the unit, there is the plastic seal which is roll crimped onto the cardboard tube and the MIG-CO2 Activators have an additional resin sealing material which is implemented onto the plastic seal and the roll crimped cardboard tube. This provides for an extremely competent finished tube seal. This end seal is considered the 'best in the industry'.



Revolutionary technology through research & testing

UTEC Corporation, the manufacturer of the MIG-CO2 Activator has over 50 years of energetic materials manufacturing, testing and formulation experience.

Each and every unit is QC tested a minimum of 5 specific iterations during the manufacturing process cycle to insure the highest quality product will be received by the customer.

The functional reliability of the MIG-CO2 Activator is unsurpassed in the industry.

- MIG-CO2 Activator
- Gas generating powder blend
- Will not detonate
- Will not readily burn without “pressure”
- Burns rapidly under ‘pressure’
- Needs minimum 300 psi pressure to activate

Typical Proven Applications

- Cement Kilns, Pulp Mill Kilns
- Storage Bins, Silos
- Foundations, Concrete, Excavation
- Utility work, “Close” work
- Trenching, Tunneling
- Dimensional Stone
- Lump Coal (underground)
- Rail Cars

To order, call us at (405) 928-7061, or email:
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Technical Specifications

The 2 standard sizes are:

MIG-CO2 Activator – 11

This unit contains 110 grams of activation material contained within the semi-rigid cardboard tube

- Tube diameter: 19mm (0.75in)
- Overall length: 368mm (14.5in)
- Theoretical moles of gas generated upon activation: 2.63 moles of gas from MIG unit alone

MIG-CO2 Activator – 8

This unit contains 80 grams of activation material contained within the semi-rigid cardboard tube

- Tube diameter: 19mm (0.75in)
- Overall length: 267mm (10.5in)
- Theoretical moles of gas generated upon activation: 1.91 moles of gas from MIG unit alone
- Safe, powerful “push” into build-up area
- No dangerous explosion/detonation
- No ‘shock-wave’

MIG-CO2 Activator

- Non-Explosive
- High Energy
- Gas Generating System
- Proven Technology
- Multiple Applications
- Critical Concerns
- Explosive Prohibited



Revolutionary technology through research & testing