



## 2.0" GasGun® System

2.0" OD/1.5" ID High Strength Steel Carrier

The GasGun is a solid-propellant well-stimulation device based on proprietary ballistic technology from the U.S. military. It incorporates the most advanced design on the market with the use of progressively burning propellants that have been proven by independent research to be many times more effective in creating fractures and increasing formation permeability.

### Features

- Engineered for thru-tubing and other slimhole applications.
- Reduce cost by eliminating the need to remove tubing prior to stimulation.
- Creates multiple radial fractures into the formation up to 20 feet from the wellbore.
- Designed for 2.875" tubing/casing and larger.
- Wireline and tubing-conveyed systems available for both vertical and horizontal wells.
- Expendable high strength steel carrier.
- Arming procedures comply with API RP-67.
- Patented design.

### Applications

- Prepares well for hydraulic fracturing by breaking down formation first.
- Removes skin and cleans up the wellbore damaged by perforators, drilling fines, cement, paraffin, mud cake, etc.
- Improves effectiveness of acidizing by fracturing first with the GasGun.
- Minimal vertical fracture growth avoids problems often associated with hydraulic fracturing.
- Reduces injection pressure and improves flow rates in injection and waste disposal wells.
- Enhances production in naturally fractured reservoirs by intersecting more fractures.

### Hardware Specifications

Part Number	HSC-1.5-3ft8	HSC-1.5-5ft16	HSC-1.5-XftXX
Charge Length	1-2 feet	3-6 feet	Up to 20 feet (tandem carriers)
Overall Length (in) [mm]	33.00 [838]	57.00 [1448]	231.75 [5886]
Number of ports	8	16	XX
Max Temp. (°F) [°C]	280 [138]*	280 [138]*	280 [138]*
Max Pressure (psi) [MPa]	8000 [55]	8000 [55]	8000 [55]

**Warning:** Exceeding the maximum temperature ratings can result in unintentional detonation

\* 280°F (138°C) maximum temperature rating is for a 1-hour exposure;  
260°F (127°C) maximum temperature rating is for a 10-hour exposure.

### Miscellaneous Information

GasGun UN Number	UN 0278
GasGun Hazard Class	1.4C
GasGun US DOT EX #	EX 2010100279



**The GasGun, Inc.**

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## 3.375" GasGun® System

3.375" OD/2.125" ID High Strength Steel Carrier

The GasGun is a solid-propellant well-stimulation device based on proprietary ballistic technology from the U.S. military. It incorporates the most advanced design on the market with the use of progressively burning propellants that have been proven by independent research to be many times more effective in creating fractures and increasing formation permeability.

### Features

- Most widely used GasGun tool on the market.
- Creates multiple radial fractures into the formation up to 35 feet from the wellbore.
- Designed for 4.5" casing and larger or 3.875" open hole and larger.
- Wireline and tubing-conveyed systems available for both vertical and horizontal wells.
- Reusable high strength steel carrier and subs.
- Arming procedures comply with API RP-67.
- Patented design.

### Applications

- Minimal vertical fracture growth avoids problems often associated with hydraulic fracturing.
- Removes skin and cleans up the wellbore damaged by perforators, drilling fines, cement, paraffin, mud cake, etc.
- Improves effectiveness of acidizing by fracturing first with the GasGun.
- Enhances production in naturally fractured reservoirs by intersecting more fractures.
- Prepares well for hydraulic fracturing by breaking down formation first.
- Reduces injection pressure and improves flow rates in injection and waste disposal wells.

### Hardware Specifications

Part Number	HSC-2-5ft32	HSC-2-7ft48	HSC-2-11ft80
Charge Length	1-4 feet	5-6 feet	7-10 feet
Overall Length (in) [mm]	59.25 [1505]	83.25 [2115]	131.25 [3334]
Number of ports	32	48	80
Max Temp. (°F) [°C]	280 [138]*	280 [138]*	280 [138]*
Max Pressure (psi) [MPa]	8000 [55]	8000 [55]	8000 [55]

**Warning:** Exceeding the maximum temperature ratings can result in unintentional detonation

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- 260°F (127°C) maximum temperature rating is for a 10-hour exposure.

### Miscellaneous Information

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## 4.0" GasGun® System

4.000" OD/2.750" ID High Strength Steel Carrier

The GasGun is a solid-propellant well-stimulation device based on proprietary ballistic technology from the U.S. military. It incorporates the most advanced design on the market with the use of progressively burning propellants that have been proven by independent research to be many times more effective in creating fractures and increasing formation permeability.

### Features

- Most powerful GasGun tool available.
- Creates multiple radial fractures into the formation up to 50 feet from the wellbore.
- Designed for 7" casing and larger or 6" open hole and larger.
- Generates nearly twice the energy of the 3.375" / 86mm OD system resulting in longer and wider fractures.
- Wireline and tubing-conveyed systems available for both vertical and horizontal wells.
- Reusable high strength steel carrier and subs.
- Arming procedures comply with API RP-67.
- Patented design.

### Applications

- Minimal vertical fracture growth avoids problems often associated with hydraulic fracturing.
- Removes skin and cleans up the wellbore damaged by perforators, drilling fines, cement, paraffin, mud cake, etc.
- Improves effectiveness of acidizing by fracturing first with the GasGun.
- Enhances production in naturally fractured reservoirs by intersecting more fractures.
- Prepares well for hydraulic fracturing by breaking down formation first.
- Reduces injection pressure and improves flow rates in injection and waste disposal wells.

### Hardware Specifications

Part Number	HSC-2.7-5ft48	HSC-2.7-7ft72	HSC-2.7-11ft120
Charge Length	1-4 feet	5-6 feet	7-10 feet
Overall Length (in) [mm]	59.25 [1505]	83.25 [2115]	131.25 [3334]
Number of ports	48	72	120
Max Temp. (°F) [°C]	280 [138]*	280 [138]*	280 [138]*
Max Pressure (psi) [MPa]	8000 [55]	8000 [55]	8000 [55]

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260°F (127°C) maximum temperature rating is for a 10-hour exposure.

### Miscellaneous Information

GasGun UN Number	UN 0278
GasGun Hazard Class	1.4C
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