

86-mm GasGun System

86-mm OD/54-mm ID High-strength Steel Carrier



The GasGun® system 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 10 m [35 ft] from the wellbore
- Designed for 4.5-in. and larger casing or 3.875-in. and larger open hole
- 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, mudcake, etc.
- Improves the effectiveness of acidizing by fracturing first with the GasGun system
- Enhances production in naturally fractured reservoirs by intersecting more fractures
- Prepares the well for hydraulic fracturing by breaking down the formation first
- Reduces injection pressure and improves flow rates in injection and waste disposal wells

Hardware Specifications

| Part number | HSC-2-1m28 | HSC-2-2m56 | HSC-2-3m80 |
|------------------|---------------------|---------------------|----------------------|
| Charge length | 0.5–1 m | 1.5–2 m | 2.5–3 m |
| Overall length | 53.25 in. [1353 mm] | 92.25 in. [2343 mm] | 131.25 in. [3334 mm] |
| Number of ports | 28 | 56 | 80 |
| Max. temperature | 280°F [138°C] | 280°F [138°C] | 280°F [138°C] |
| Max. pressure | 8000 psi [55 MPa] | 8000 psi [55 MPa] | 8000 psi [55 MPa] |

Warning: Exceeding maximum temperature ratings can result in unintentional detonation.

280°F [138°C] maximum temperature rating is for a 1-hr exposure.

260°F [127°C] maximum temperature rating is for a 10-hr exposure.

Miscellaneous Information

| | |
|-------------------------|---------------|
| GasGun UN number | UN 0278 |
| GasGun hazard class | 1.4C |
| GasGun US DOT EX number | EX 2010100279 |

