

51-mm GasGun System

51-mm OD/38-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

- Engineered for thru-tubing and other slimhole applications
- Reduces cost by eliminating the need to remove tubing prior to stimulation
- Creates multiple radial fractures into the formation up to 6 m [20 ft] from the wellbore
- Designed for 2.875-in. and larger tubing/casing
- 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 the well for hydraulic fracturing by breaking down the formation first
- 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
- 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-1.5-1m13	HSC-1.5-2m25	HSC-1.5-XmXX
Charge length	0.5–1 m	1.5–2 m	Up to 6 m (tandem carriers)
Overall length	51.37 in. [1305 mm]	90.74 in. [2305 mm]	235.35 in. [5978 mm]
Number of ports	13	25	XX
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

