

**NG SIDEKICK™
FIELD GAS
PROCESSING SOLUTION**



**THE MOST SOPHISTICATED FIELD GAS PROCESSING SOLUTION
AVAILABLE TO THE INDUSTRY TODAY**

To continue innovating with the changing industry, Frac Shack Inc. has developed and introduced the NG SideKick™. The SideKick™ is the industry’s most sophisticated on-pad gas processing unit that takes in-field natural gas and processes it down to a safe and usable state for multiple uses on any location. The SideKick™ depressurizes, heats, and removes liquids and hydrocarbons from field natural gas to ensure the gas is safe and available for use in any natural gas or bi-fuel engine on a hydraulic fracturing location. This technology enables Frac Shack’s customers to use their own energy on site, reducing the need to flare off clean burning natural gas. Additionally, the use of natural gas significantly reduces the need for diesel fuel, with substitution rates from 40 – 70% on large frac sites. The Generation 2 NG SideKick™ has increased capacity to power a natural gas turbine used for Electric Frac Fleets.

NG SIDEKICK™ SYSTEM SPECIFICATIONS

	<u>NG SideKick™ – Generation 1</u> <i>For Bi-Fuel Fleets</i>	<u>NG SideKick™ – Generation 2</u> <i>For Electric Fleets</i>
Max Pressure Capability at Inlet	1,480 psi (600# RF)	3,750 psi (1500# RF)
Max Output Pressure	150 psi	700 psi
Gas Volume/Throughput per Hour	165,000 scf/h	275,000 scf/h
Gas Volume/Throughput per Day	3,960,000 scf/day	6,600,000 scf/day
Liquids Separator Pressure Release Valve	285 psi	1,500 psi
Liquids Dump Valve Capacity	40 bbls/hour (973 bbls/day)	40 bbls/hour (973 bbls/day)
Liquids Storage Capacity	500 Gallons (or external)	500 Gallons (or external)
Footprint	22' x 8' Steel Skid	25' x 8' Steel Skid
~1 Hr Contingency Compressor	No	Yes (optional)

MAKING THE MOST OF NATURE

COST SAVINGS FOR OUR CUSTOMERS BY REDUCING DIESEL CONSUMPTION

Customer's
Field Gas



NG SIDEKICK™

Gen 1 SideKick™. Separate Liquids, knockdown pressure (50-150 psi), regulate temperature (50-140°F)



Bi-Fuel FracFueller™

Distributes both Diesel and Natural Gas to frac spread via individual lines. 7,900 gallons of diesel storage.



Bi-Fuel Frac Spread
(and other NG powered equipment)



Customer's
Field Gas



NG SIDEKICK™

Gen 2 SideKick™. Separate Liquids, knockdown pressure regulate temperature



Mobile Gas Turbine
Power Plant



Electric Frac Spread



ISO 9001:2015 REGISTERED

Every critical task is tracked and managed, meeting ISO standards

SOPHISTICATED DATA ANALYTICS

Track fuel consumption, substitution rates, and site productivity with Frac Shack's state-of-the-art data capture system

EXCESS LIQUIDS HANDLING

The NG SideKick™ can handle up to 973 barrels of liquid per day. If liquids are exceeding the SideKick's 500 gallon storage tank, we can tie into a larger external storage vessel or pipe to a nearby facility

A FOCUS ON SAFETY

Safety was the #1 focus when developing the NG SideKick™. The unit is equipped with LEL monitors, ESD's, and Fire Eye sensors to ensure the safety of every person on location



FRAC SHACK™



SAFE



EFFICIENT



COST EFFECTIVE

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