

MiniSIP

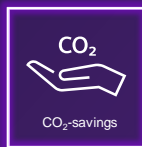
Applicable fleet: Process Recip, Integral Gas Engines, High Speed Compressors



Reliability



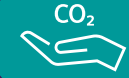
Flexible
Operation



CO₂-savings



Minimizes Downtime



NO_x Reduction

Product Overview

The Miniature Screw-In Prechamber (MiniSIP) combustion system improve combustion stability and reduces oxides of nitrogen (NO_x) emissions. Developed in cooperation with the Gas Research Institute (GRI), the SIP combustion system incorporates decades of experience meeting the most stringent emissions guarantees



Improved Features

- Higher energy ignition source: Consistently ignites the lean mixtures needed for low NO_x emissions
- Reduces main chamber ignition delay while promoting complete combustion
- Saves conversion time/costs for combustion air system mods
- Adaptable to current and future needs
- Reduces misfire, detonation, and cycle-to-cycle firing pressure variation
- Lower air pressure required than competitive systems



Benefits

- NO_x reduction
- Minimizes costly downtime
- Consistent ignition
- Fast turnaround on conversion and system installation



Scope of work & Implementation

- Using the existing power head, the MiniSIP system screws into the 7/8"-18 spark plug thread and requires only minor machining to the spark plug well.
- In most cases the MiniSIP can be applied without the need to replace the power head, maximizing cost effectiveness.

