

Extended life and enhanced durability for the global industrial gas market



Key Features:

- High alumina oxide composite insulator
- Thin-walled nickel with top exposed copper center electrode design
- Enlarged cross-section ground electrode
- New Industrial FISS core seal technology
- Hot lock shell seal
- High temperature-resistant nickel-plated shell
- Iridium center electrode and grain stabilized platinum ground electrode
- Advanced continuous wave laser at electrode/precious metal contact points



Problem:

Demands for improved engine efficiency and operating conditions within industrial applications are more stringent every year. Despite increased engine load levels, lean air and fuel ratios, and use of new and more corrosive fuels, service life intervals are expected to continue to rise.

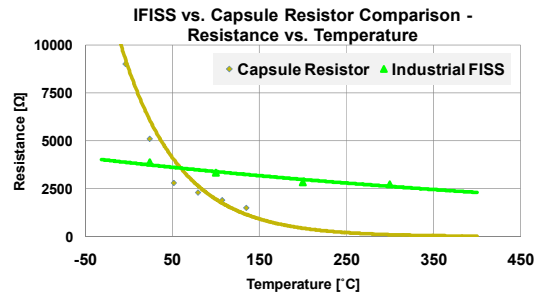
Solution:

Federal-Mogul's latest FB-M18 iridium spark plug design has been redeveloped using the RB77WPCC as the baseline. Material upgrades in combination with advanced processing techniques, help answer the call to meet the evolving market demand.

Key Design Characteristics

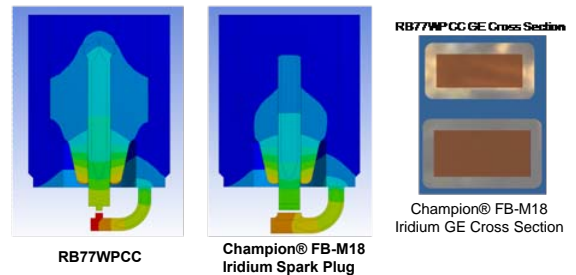
IFISS Core Technology

Industrial Fired-In Suppressor Seal (IFISS) has been specifically designed for industrial applications. Resistance, suppression and sealing capabilities are significantly improved across temperature operating windows, providing a more robust, long-life product.



Electrode Durability

The redesigned firing end (center electrode and ground electrode) includes an enlarged copper-core, larger cross section component, and reoriented electrode surface offering cooler operating temperatures, increased spark efficiency and lengthened service life potential.



Increased Service Life

The new 'FB' design has been validated and field-tested on multiple OEM engine applications with various applied fuels in all regions of the world. Results have consistently shown an increase in plug run-time, hence providing longer service life options to end users.

