

Minco FG4015 and FG4014+AC4015 Leadwire and Cable Seal Fitting Certifications for Hazardous Locations

Hazardous Location Certified

The Minco FG4015 Leadwire & Cable Seal Fitting family is certified for use in hazardous gas and combustible dust environments across North America and international markets. The series is designed to meet global explosion-protection standards while maintaining simplified installation and field serviceability.

Certifications and Approvals

Hazardous Gas and Vapor Environments (ATEX and IECEx)

-  2 G Ex db eb IIC Gb IP66
- IECEx Ex db eb IIC Gb IP66

Hazardous Gas and Vapor Environments (Canada)

- Zone 1
- Ex db eb IIC Gb

Combustible Dust Environments (Canada)

- Zone 21
- Ex tb IIIC Db

North American Ratings (US & Canada)

- Non-Incendive Class I, Division 2, Groups ABCD
- Dust-Protected Class II, Division 2, Groups FG
- Class III
- Type 4X / IP66

Safety and Simplicity

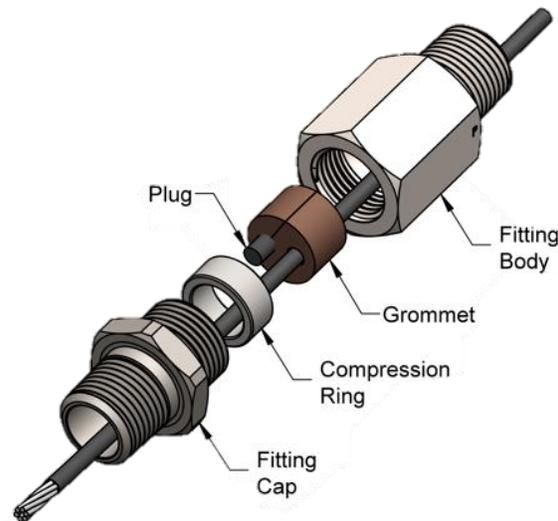
With these expanded certifications, the FG4015 series is now approved for use across a wider range of hazardous gas and dust environments, making it easier for engineers to standardize on a single fitting design across multiple global facilities. But increased compliance doesn't mean increased complexity. The FG4015 maintains one of the simplest installation processes in its class, removing the need for specialized gland parts, cable grips, or unique mounting accessories. The result is a fitting that meets rigorous safety standards without creating extra work in the field.

Designed for Rapid, Hassle-Free Installation

Unlike traditional cable seal fittings that require multiple specialty adapters or cable grips, the Minco FG4015 is designed for installation without additional hardware.

Only four components are needed:

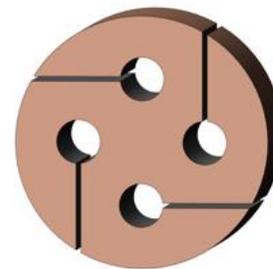
1. Fitting body
2. Fitting cap
3. Grommet (with optional plugs)
4. Compression ring



[Link to animation](#)

Split Grommet Design Simplifies Retrofits

In many cases, the split grommet option allows installers to complete retrofits without removing connectors or disturbing wiring. By contrast, competitor solutions often require punching holes in a silicone barrier seal using dedicated tools, followed by additional assembly steps and hardware. This adds preparation time and increases the chance of field complexity. With fewer parts, no special punch tool, and only a single final torque step, the FG4015 reduces installation time and simplifies maintenance—especially valuable in tight spaces and hazardous-area environments.



Split grommet maintains sealing integrity while enabling easy retrofit installation

This simplified design also translates to meaningful cost and maintenance advantages. With fewer components to specify and stock, procurement and inventory management become easier and more efficient which allows both suppliers and end-users to standardize on a single solution. Over the lifecycle of the equipment, the FG4015's robust construction and minimal assembly requirements reduce labor time, lower the likelihood of replacement events, and support faster inspection and service intervals resulting in a lower total cost of ownership.

Flexible Configuration Options

The FG4015 can be purchased either as a complete assembly or as modular components:

Ordering Option	Description
FG4015	Complete fitting assembly
FG4014 + AC4015	Body & cap supplied with separate grommet kit

Additional customization features:

- Split grommet options allow installation without removing connectors
- Available in 1/2 NPT or 3/4" NPT threads
- Compatible with multiple conductor counts and cable diameters
- Supports applications requiring sealing up to 50 PSIG

Applications for the FG4015

These fittings are ideal for:

- Instrumentation housings
- Oil-filled equipment enclosures
- Bulkhead cable transitions
- Motor and generator terminal boxes
- Hazardous-location RTD and sensor feedthroughs

When paired with Minco RTDs or AC100324 elastomer-filled cable, the FG4015 enables reliable, sealed sensing solutions for the most demanding operational conditions. With expanded certifications and field-friendly installation, the FG4015 series continues to provide safe, reliable, and simplified sealing for hazardous environments. Whether you're specifying new equipment or upgrading existing infrastructures, Minco provides proven solutions engineered for performance and compliance.