



Dietz Electric Highlights Decades of Experience in Custom Flameproof Motors Manufacturing

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Dietz Electric Co., Inc., a Milwaukee-based supplier and servicer of industrial electric motors, is marking decades of experience in the design, sourcing, and servicing of custom flameproof motors for hazardous industrial environments. The milestone reflects the company's long-standing focus on a specialized segment of the electric motor industry that serves facilities handling flammable vapors, gases, dust, and fibers.

Flameproof motors are engineered to contain internal sparks and flares before they can escape into the surrounding environment, preventing ignition of hazardous materials in a facility. Dietz has spent decades building relationships with manufacturers that produce these motors to exacting safety standards, allowing the company to supply solutions for a wide range of industrial applications where standard motors would pose an unacceptable risk.

The company's flameproof motor offerings are built to meet requirements established by the National Fire Protection Association and carry certifications from organizations including FM Approvals, Underwriters Laboratories, and the Canadian Standards Association. Dietz Electric also supplies flameproof motors certified to ATEX and IECEx standards, the international frameworks governing equipment used in explosive

atmospheres, allowing customers to source hazardous location motors that meet both domestic and international regulatory requirements.

Mark Henson, owner of Dietz Electric, said the company's longevity in the flameproof motor segment comes down to a consistent commitment to matching customers with the right equipment for their specific hazards. "We've spent decades learning the fine details of hazardous location classifications so our customers don't have to guess," Henson said. "When a facility comes to us with a dust explosion risk or a Class I gas environment, we already know which motor, which certification, and which manufacturer partner is the right fit."

Dietz works with a roster of established motor manufacturers to supply flameproof and explosion-proof equipment, including ATB, Brook Crompton, Siemens, ABB, CEMP, and Elprom, among others. This network allows the company to offer motors rated for Zone 1 and Zone 2 hazardous locations, along with EEx nA options for less severe hazard classifications. Motors are available across NEMA frame sizes and mounting configurations, with single-phase options also available on request.

Hazardous industrial environments are typically categorized using a system of classes, groups, and divisions that determine which motor design is appropriate for a given setting. Class I locations involve flammable vapors, liquids, or gases, while Class II locations involve combustible dust, and Class III locations involve ignitable fibers or flyings. Subgroups A through G further define the specific hazard characteristics within each class, and divisions describe how frequently hazardous materials are present in a given location. Dietz's technical staff work through this classification process with customers to identify motors that align with both safety codes and operational needs.

Custom flameproof motor manufacturing has become an increasingly important part of Dietz's business as industries such as oil and gas processing, chemical manufacturing, grain handling, and pharmaceutical production continue to require explosion-proof equipment tailored to specific facility layouts and duty cycles. Rather than offering a one-size-fits-all catalog, Dietz works directly with manufacturers to configure motors around voltage requirements, horsepower ratings, mounting styles, and enclosure types suited to each customer's hazardous location classification.

Henson noted that the company's approach has remained consistent even as the underlying technology and regulatory landscape have evolved. "The certifications and standards have gotten more rigorous over the years, and rightfully so, since these motors are protecting people and facilities from real danger," Henson said. "What hasn't changed is our commitment to walking customers through that process and making sure the motor they receive actually fits the environment it's going into."

In addition to new motor sourcing and manufacturing coordination, Dietz provides repair and testing services

for existing motors, including servo motor repair, helping extend the operational life of equipment already in service at customer facilities. The company positions this combination of new equipment sourcing and repair capability as a way to support customers throughout the full lifecycle of their motor assets.

Dietz Electric's continued focus on flameproof and hazardous location motors comes amid steady demand across sectors where explosion prevention is a regulatory and operational necessity. The company's certifications, manufacturer partnerships, and technical classification expertise are intended to give facility operators confidence that the equipment they install will perform reliably under hazardous conditions.

Dietz Electric Co., Inc. is headquartered in Milwaukee, Wisconsin, and supplies electric motors, gear reducers, motor controls, variable frequency drives, and related industrial equipment, along with motor repair and servo motor testing services. The company ships products internationally through a shipping partnership with DHL Express.

For more information about Dietz Electric's flameproof motor offerings, visit www.dietzelectric.com.

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Dietz Electric Co. Inc.

Dietz Electric is an expert in electrical and mechanical repair, machine shop services, motor testing and electronic drive and controller repairs.

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