



Explosion Proof Valve Repairs: Don't Lose your Certifications

As an expert in providing motion control solutions for some of the world's most demanding environments, Moog provides a range of products for use in hazardous environments. We design and manufacture mechanical feedback servo valves, radial piston pumps, manifold systems, brushless servo motors and actuators that feature ruggedized construction and increased-safety characteristics. To provide you with the highest level of confidence in the safety of our products, we obtain international approvals such as ATEX, IECEx, FM, UL, ETL, TIIS, Kosha, and CSA.

In hazardous environments, certification requirements are in place to not only ensure proper worker safety but are often also required to maintain equipment warranties and business insurance coverage. Certifications typically go beyond the Moog component itself as part of a complete equipment system, such as electrical barriers that limit power to certain areas or set safe range limits. When the time comes for component service or repair, specific rules are in place to maintain those intrinsically safe or explosion proof certifications. Choose a [Moog Factory Repair](#) to maintain these essential safety features.

A third-party repair provider will not have the ability to fulfill these requirements for several reasons. First, most certifying agencies have their own set of rules regarding service and repairs on covered components. This is where the act of maintaining proper certifications can become very complicated for a plant manager. Without complete knowledge of a component's certification assignment, a third-party repair provider may not be aware of the requirements needed for that part to remain in compliance. Only Moog factory repair technicians have the official training, technical specifications, and proper test equipment needed to bring components back to original certified condition.

Second, when scheduling service or repair your goal should be to bring a component back to their original factory specifications. For Moog safety certified products this is even more essential as proper levels of performance are often part of the certification process. The only way this can be done is by using authentic Moog parts, installed by a trained and certified Moog technician. We do not sell repair parts to independent repair providers, therefore any third-party facility performing service will use aftermarket or refurbished (used) parts in your repair.

Finally, Moog components are often capable of many configurations and performance options, some of which may be tied to the specific certification class. Only our service team has access to the original product order and repair history to ensure it is returned to the original tuning your equipment requires. Will a third-party repair facility know the exact specifications of your components when replacing parts?



As an additional bonus, any recent improvements to Moog replacement parts are included in your repair at no additional charge. These replacement parts also meet the required safety certifications and will provide the latest in performance and reliability.

Consider this example: the main safety component inside of an intrinsically safe mechanical feedback servo valve is the coil in the torque motor. During a typical Moog Factory Repair, the torque motor is replaced as a completely new assembly inside the valve. When a third-party repair provider services the valve, they may attempt to recondition and reuse the same torque motor assembly instead of replacing it. They may not know how to test the coil for proper performance, nor will they have documentation for original safety specifications. Since official Moog parts are not available to third-party repair providers, any replacement parts would be an aftermarket version, also voiding the safety certifications.

Are your repaired Moog components still safety certified, or are you at risk of being out of compliance? The easiest way to maintain safety for your employees and equipment is to rely on the expertise of Moog technicians and a genuine factory repair. Contact your nearby [Moog Authorized Distributor](#) to get started today!