

MOOG

Explosion-Proof Products for Potentially Hazardous Environments



Proven Experience in Explosion-Proof Products

For over 50 years, Moog has been a leading supplier of precision servohydraulic and servoelectric control products and systems for industrial applications. Moog's product line includes explosion-proof products, which are used where fire or explosion hazards exist due to the presence of flammable gases or vapors, flammable liquids, combustible dust, or easily ignitable fibers.

“These certifications offer our customers the **highest level of confidence** in the safety of our products in potentially hazardous environments.”

Mark Ludlow
Product Design Engineer



Explosion-Proof Servovalves and Servo-Proportional Valves



Moog has created an extensive product line of rugged and proven Servovalve and Servo-Proportional Valves that cover applications within the power generation, chemical processing, oil exploration, and wood products industries, to name a few. The Moog explosion-proof valve offering includes intrinsically-safe, flameproof and “increased safety” designs. We work with the customer to select the specific product based on hazardous environment requirements of the application.

Intrinsically-Safe Servovalves

- Mechanical Feedback Valves (MFB)
- ATEX, FM, CSA, and TIIS approvals
- Moog can comply with the highest safety levels (e.g., suitable for ATEX: II 1 G EEx ia IIC T6 or T5)
- Suitable for continuous, long-term, occasional, frequent, and short-period explosive environments as defined in safety regulations

Flameproof Servovalves

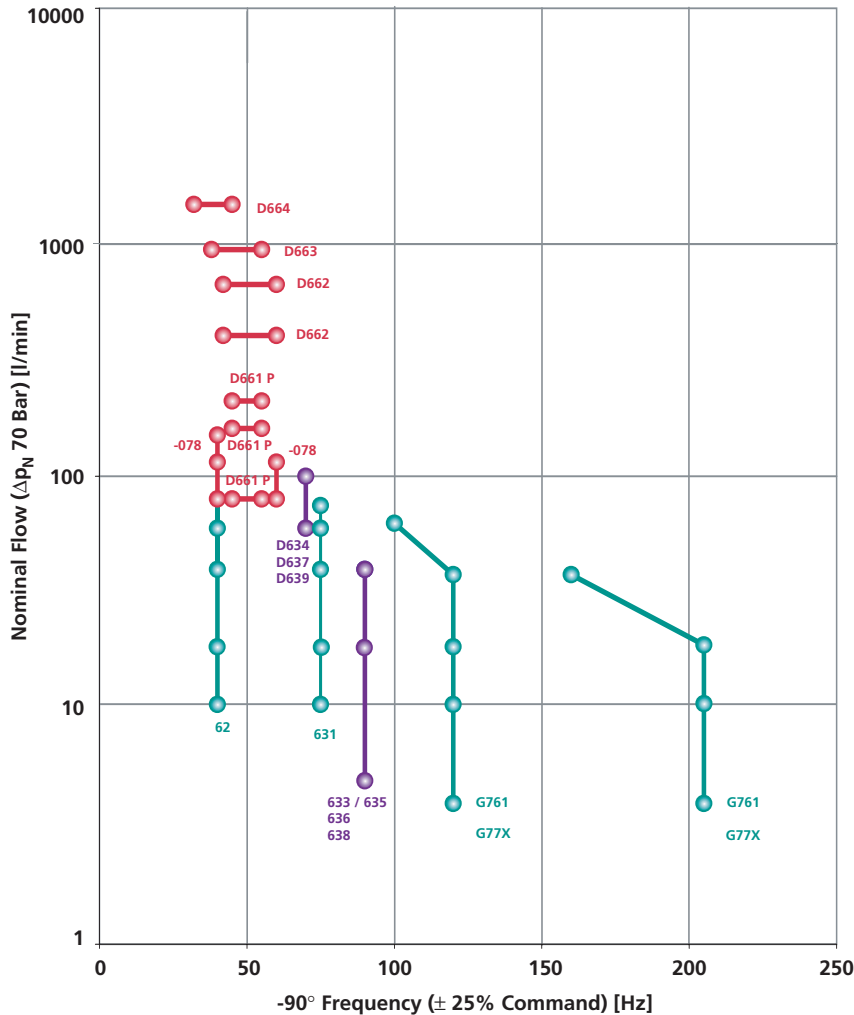
- Electrical Feedback Valves (EFB) with ATEX and FM approvals
- Mechanical Feedback Valves (MFB) with ATEX and CSA approvals
- Suitable for occasional, frequent, and short-period explosive atmospheres as defined in safety regulations

Flameproof Servo-Proportional Valves

- Electrical Feedback Valves (EFB)
- ATEX approval
- Suitable for occasional, frequent, and short-period explosive atmospheres as defined in safety regulations

Portfolio

Performance characteristics for nominal flow and frequency for all explosion-proof Servovalves and Servo-Proportional Valves are displayed for our portfolio below.



“ We offer a **wide range of Servovalves and Servo-Proportional Valves** for explosion-proof applications. **Moog’s experienced engineers and sales people help you find the best value solution** for your needs. ”

Franz Ringer
Team Leader EFB Valves

Technical Data

If you need further technical data on a product, please contact Moog or use our standard product catalogs that can be found at www.moog.com/literature.

Caution: All combinations of models may not be available. Installation dimensions and electric connections are different for the standard models.

Other Explosion-Proof Products

Moog’s ATEX certified Servomotors and Servoactuators can be found in applications such as enameling, chemical, and turbine industries. Our Servomotors and Servoactuators are TIIS and ATEX certified and include applications in the gas and steam turbine industries.



Ask for Moog

If you can’t find the product or certification for your specific application, please call us or visit www.moog.com/industrial.

Rely on Moog for all your safety control solutions.

MOOG



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