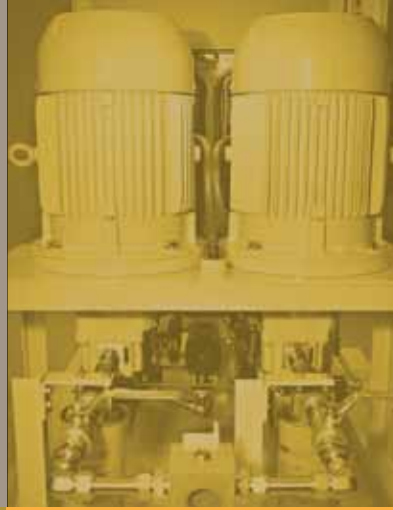


FLUID CONTROL SYSTEMS

Flexible, high performance hydraulic technology for gas turbine applications



With 40 years experience in motion control for the power generation industry, Moog specializes in designing and building fluid systems for use in a variety of industrial gas turbine applications.

Depending on the specific requirements of the installation and its operating environment, Moog designs fluid systems based on the most appropriate Moog valves and pumps to meet required performance of the fluid system. Our Servo Valves, Pumps and related products control most fluids found in these applications, including: liquid fuel, gas fuel, lube oil and demineralized water.

FLUID CONTROL TECHNOLOGY TO SERVE YOUR SYSTEM THE BEST WAY AT ALL TIMES

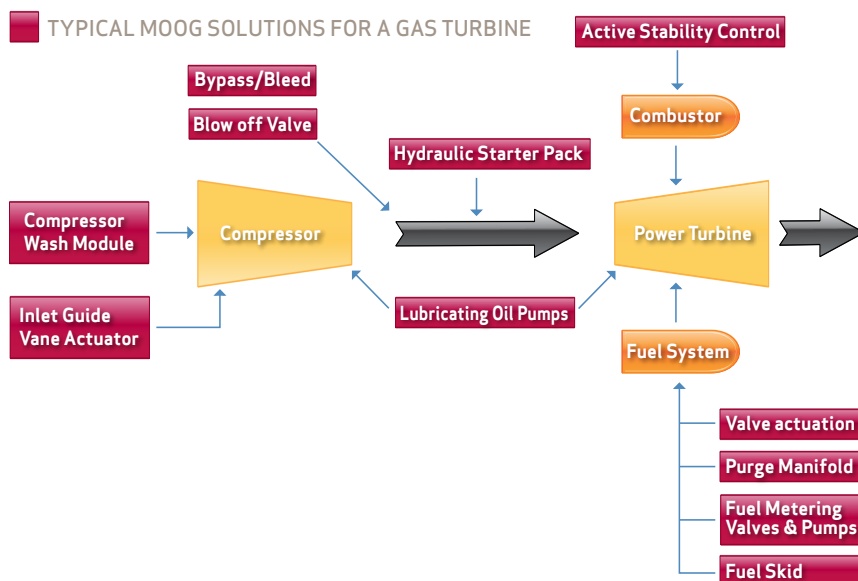
- Moog offers some unique benefits to our customers in power generation: Expertise in designing and building system packages for offshore and onshore applications
- World-class product offerings such as Hydraulic Starter Packs with Digital Control and Fuel Metering Packages
- All systems are based on proven, Moog-designed and built products that are adapted to meet the exact requirements of our customers
- Project and design engineering teams assigned to your application
- In-house Pump and Servo Valve performance testing
- Compliance with European and USA specifications

ADVANTAGES

- Proven technology used by leading turbine manufacturers
- Suitable for use in hazardous environments including products with relevant certifications
- Specialized project engineering team experienced in custom auxiliary equipment for industrial gas turbine applications
- Ability to produce flexible solutions to customer design specifications
- Moog Global Support™ - Access to our trained repair and maintenance network in over 25 countries
- Complete understanding of global industry standards

INDUSTRY APPLICATIONS

- Gas turbines
- Industrial and aero derivative engines
- Offshore including marine



PRODUCT OVERVIEW

GAS CONTROL VALVES (BLOW OFF VALVES)



With two sets per engine, to prevent over run and provide high speed actuation, Moog Blow off Valves open in less than 80 ms and operate at pressure supply to 210 bar (3,000 psi).

COMPRESSOR WASH MODULES



To improve gas turbine fuel efficiencies, compressor wash modules provide high pressure delivery of demineralized water to clean gas turbine compressors. They are compatible with most recognized cleaning solvents and anti-freezes, and capable of delivering 15 lpm (3.96 US G/Min) at 60 bar (870 psi) and 60°C (140°F). Servicing is every 3 years and options are available on frequency, voltage and labelling language.

LIQUID FUEL METERING SYSTEMS



Using Moog Direct Drive Servo Valves, these systems meter fuel delivered to gas turbines. Available as integrated manifold packages and with single and multi-stream variants.

PUMPS



Moog offers a range of integrated valve and pump packages which fit in compact spaces, are easy to maintain and designed to suit your application.

Our variable Fuel Metering Pumps based on the RKP Radial Piston Pump with diesel capability, have an automatic pump stroke control for lower energy consumption and minimized by-pass flow. Both single and multi-stream options are available.

Our Liquid Fuel Pumps are highly efficient gear pumps specifically designed for low lubricity and low viscosity oils with delivery pressure is up to 210 bar (3000 psi) and flow rates up to 116cc / rev (4 fl oz US) as standard.

Moog's lubricating oil pumps can accommodate integrated relief valves and are offered with either spur or helical roloid gears.

Moog has offices around the world. For more information or the office nearest you, contact us online.

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www.moog.com/industrial

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