

News Release

MGPR1802

Moog Launches New Version of the D680 Series Proportional Valve With a Direct Drive Closed-Loop Pilot Valve for High Dynamics, Repeatability and a Long Service Life

East Aurora, NY, USA, October 08, 2018 – Moog (NYSE: MOG.A and MOG.B) – a designer and manufacturer of high performance motion control products, solutions, and services, has launched a new version of the D680 Series Proportional Valve.

Moog's D680 Series Proportional Valves are throttle valves for 2-, 3-, 4- and 5- way applications, suitable for electrohydraulic position, velocity, flow and force control in hydraulic systems. The D680 product range has integrated electronics, and is suitable for applications with high dynamic response requirements. The newly launched version in this series is a two-stage valve with a closed loop controlled D633 Direct Drive Servo Valve as the pilot stage. This latest version of the product provides increased dynamics, repeatability and is more robust than the existing version, making it suitable for use in even the most demanding environments.

The D633 Direct Drive Servo Valve pilot stage with open loop control has been available for many years. Moog developed the new version in conjunction with machine builders in the plastics metal forming, presses and steel production sectors, better to meet the needs of these applications. The new pilot stage option is ideal for applications requiring high dynamic performance, where longer service life and energy efficiency are critical.

The Moog D680 Series Proportional Valve series is a proven design that provides reliable control for machinery in industries such as injection and blow molding, die-casting, steel production, metal forming and presses and lumber processing. This product range can be easily integrated in new designs, and configured to meet the exact application and performance requirements of industrial machinery and equipment. In addition to the existing series' proven dynamic performance, the latest D680 Proportional Valve design is robust, reliable, has the benefit of a long service life and can offer significant energy savings.

Dr. Marco Wiegandt, Moog valve development engineering manager commented, *'Our customers in the injection molding, die casting and metal forming and press markets trust the performance and reliability of Moog's Servo valve products. Some of our lead customers have enjoyed greater repeatability and a long service life by using this energy-efficient, robust design. In machine applications where high accuracy and repeatability are required, the new D680 Series Proportional Valve with a closed loop D633 pilot valve is an excellent choice.'*

About Moog

Moog Inc. is a worldwide designer, manufacturer and integrator of precision control components and systems. Moog Industrial Group designs and manufactures highly reliable products, solutions and services using motion control and power/data technologies. We combine world-class technologies with expert consultative support in a range of applications in energy, industrial machinery, marine, simulation, and test industries, to name a few. We help performance-driven companies to design and develop their next-generation equipment. Moog Industrial Group, with fiscal year 2017 sales of \$843 million and over 40 locations worldwide, is part of Moog Inc. (NYSE:MOG.A and MOG.B), which has sales of US \$2.5 billion. For more information, please visit www.moog.com/industrial.

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Photo caption

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Note for editors

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