

FOR IMMEDIATE RELEASE

FEMA CORPORATION LAUNCHES SPECIALIZED TRANSMISSION CONTROL VALVE

Portage, MI (June 2020): The frictionless armature of FEMA Corporation's electro-hydraulic (EH) transmission control valve provides low hysteresis, eliminates wear surfaces and extends the expected duty life cycle. The two stage, pilot operated pressure control EH valve is highly adaptive. The pilot stage design includes high clearances which enables it to function in relatively higher contaminated environment. The main stage design floats to ensure alignment. It can accommodate a simple Direct Current signal resulting in precise control with no dither requirements. The valve has multiple integrated damping features for increased control of the transmission shift operation. Each application can be custom tuned to achieve optimum performance. A product update resulted in a more compact and efficient design for improved packaging in tight spaces.

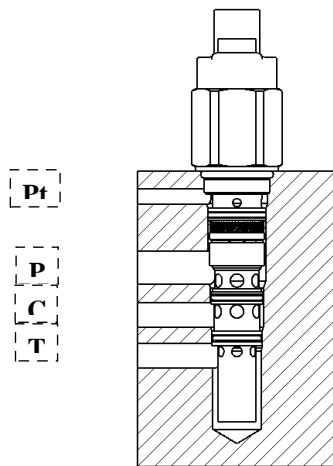
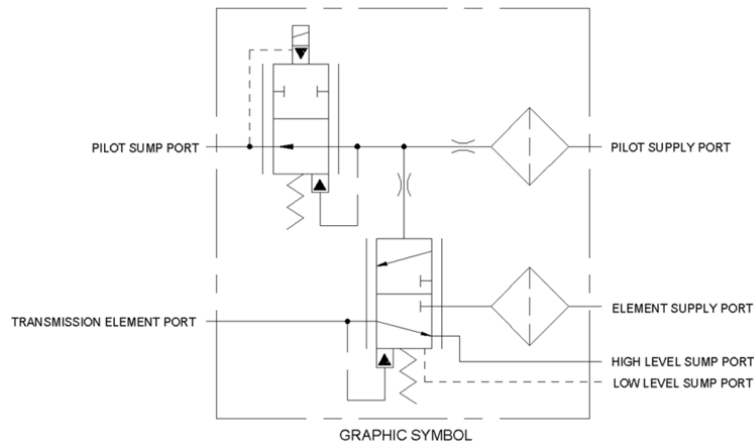
The product is rated for 20-30 bar supply pressure, flows of 30-40LPM at 5 bar Delta P and 40 to 100C temperature environment and can be used in many OEM Off-Highway heavy duty equipment applications.

FEMA Corporation can partner on any transmission or other electro-hydraulic valve applications; including design, development and validation of innovative, affordable, and differentiated solutions. Comprised of the finest application, design, test and process engineers in the industry, FEMA can collaborate with customers to bring projects from concept to production.

Leverage successes from FEMA off-road mobile equipment, aerospace, automotive, stationary machinery, rough terrain sporting, medical devices and a wide range of other markets can ensure success of many programs.

See the below product image, circuit, installation and description example:





The pilot stage is shown separately in our schematic, where some suppliers do not show this detail or use different configurations altogether. In this valve, pilot supply (PT) and drain (PT) are also separated from main supply and tank. In certain applications this configuration can provide performance advantages by reducing the influence of variation in tank backpressure or main supply. An application for this would be a clutch control valve, where pressure variations can negatively impact shift quality.

About FEMA Corporation: FEMA Corporation is a global force in custom engineered electro-hydraulic manifold systems, low and high frequency valves, on-off and proportional valves, and solenoid lock-out units. It also offers component manufacturing, design, development, validation and production services that are performed alongside your company's product design process. As an industry leader and supplier to mobile and industrial manufacturers of equipment in agriculture, off-road, construction, military markets it aims to deliver exceptional products and services and provide clients with solutions that surpass their expectations.

FEMA offers a full line of Electro-hydraulic proportional and On/Off products - Designing and producing products to meet the needs of individual applications. It develops Proportional Pilots, 2 – Stage

Electrohydraulic Valves, Magnetic Latching Valves, On/Off Electrohydraulic Solenoid Valves and Mechanical Actuators, Hydraulic System Assemblies, and Component Manufacturing.

FEMA offers Design, Development and Product Testing services of other products including full support with up-front analysis and full hydraulic capabilities and Component Manufacturing of precision parts for external sales. Experience in various industries gives FEMA an advantage to better understand how product will match with the intended system.

FEMA is a registered ISO 9001 & ISO 14001 company, headquartered in Southwest Michigan and serves many industries and leading companies worldwide.

FEMA custom designs and manufactures hydraulic solenoid valves, steer valves, manifold, and other electro-hydraulic components to meet the specific needs of your application. FEMA products are used in many applications including transmission control, autonomous, fuel controls, PTOs, actuators and more.

For more information on FEMA Corporation visit:

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