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MICO Introduces Check Valve Assembly For Full-Power Brake Systems

NORTH MANKATO, Minn. — **MICO, Incorporated** introduces a **Check Valve Assembly for Full Power Brake Systems**. It is a compact manifold assembly that includes a check valve and an inverted shuttle valve. The assembly supplies fluid for two separate accumulator circuits while reducing the necessary number of system components and limiting plumbing and hardware requirements.

The Check Valve Assembly is ideal for full power hydraulic brake systems that must store energy in two separate accumulator circuits. It features high flow capacity up to 11 gallons per minute and a maximum operating pressure of 3,625 PSI. Among the potential applications are split systems with a pressure-compensated pump, and electrohydraulic accumulator charging controlled by a pressure transducer at the unit's switch port.

Pressure is supplied to two accumulators by the assembly's inlet port. The inverted shuttle valve isolates the higher pressure of the two accumulator circuits, while directing the lower pressure to the switch port. A check valve prevents pressure at the switch port from leaking back to the inlet port.

By combining the functionality of multiple components into a single housing, the Check Valve Assembly decreases costs and time required for installation. Its design also reduces potential leak points and contains possible failure points for the hydraulic system. The assembly limits check valve leakage to a maximum of 0.25 cubic centimeters per minute at 3,500 PSI.

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MICO, Incorporated designs, manufactures and markets brake systems, hydraulic components and controls, primarily for off-road markets. For more information, contact MICO, Incorporated, 1911 Lee Boulevard, North Mankato, MN 56003, call 507-625-6426, fax 507-625-3212, send an e-mail to micomail@mico.com or visit the company's Web site at www.mico.com

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