DISTRIBUTION AND HYDRAULIC MANIFOLDS

SmarTEST MANIFOLDS FOR AEROSPACE TESTING

At At Moog FCS, we understand that the best aerospace test solutions start with the proper foundation. That's why we focus our expertise and world-class resources on ensuring the core components behind every critical application offer unsurpassed performance, reliability and longevity.

Our full line of SmarTEST Distribution and Hydraulic Manifolds deliver proven performance in a wide variety of test environments. Designed to facilitate the use of multiple test rigs from a common hydraulic supply, they provide total flexibility and efficient operation in aerospace test labs around the world.

ADVANTAGES

- Built to stringent Moog FCS specifications for long-lasting performance and reliability
- Ideally suited to help labs run multiple tests
- Design features ensure operator and specimen safety
- Field changeable components and rugged design for long-lasting performance
- Wide range of sizes designed to fit virtually every application and flow requirement

AEROSPACE TESTING APPLICATIONS

Moog FCS offers static and fatigue testing that ranges from complete aircraft to sub-assemblies to components.

- Aircraft/airframe structural tests
- Fuselage and cockpit pressurization
- Engine casing
- Fin actuation loading tests
- Landing gear tests
- Hydraulic system tests
- Load calibration tests
- Spacecraft structural integrity
- Iron bird tests

SPECIFICATIONS

Moog FCS brings years of aerospace testing leadership to the design of key components such as the SmarTEST Distribution and Hydraulic Manifolds. It's your assurance that test applications will run efficiently and safely again and again.

KEY FEATURES

- Electronic control of hydraulic power supply to actuators
- Simple interface with control system interlocks
- Provide isolation from hydraulic ring without effecting other test on the same ring
- Configurable pressure selection (off, low, and high pressure)
- Full flow filtration to protect actuators and servo valve
- Electrical "Filter Dirty" indication and warning
- Includes pressure switch to protect against low system pressure
- Can be used in conjunction with optional accumulator to satisfy peak flow demands and reduced hydraulic noise
- Availability of optional independent pilot supply selectable from the controller
- Variety of sizes to satisfy different flow requirements 100 to 1,000 l/min (25 to 265 g/min)

ALL HYDRAULIC SERVICE MANIFOLDS INCLUDE	• Low/ high pressure selection • Full flow 3 micron pressure supply filter with electrical status indication • Adjustable low pressure setting • Main hydraulic pressure failure detector • Can be supplied without filter and accumulators for a basic isolation manifold
PILOT	All Manifolds may have a pilot pressure option fitted, to include: • Independent pilot supply on/off selection • Pilot pressure failure detection • 3 micron non by-pass pilot filter • Pilot back-up accumulator option • Includes as a safety feature, pressure switches to monitor pilot and main hydraulic supply pressure

This technical data is based on current available information and is subject to change at any time by Moog FCS. Specifications for specific systems or applications may vary.

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

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