



CIRCLE SEAL CONTROLS

OVER 45 YEARS OF SOLUTIONS TO FLUID FLOW CONTROL PROBLEMS



Circle Seal Controls, a leading manufacturer of hydraulic and pneumatic controls for over 45 years, now offers a complete line of motor operated valves for aircraft fuel, potable water and hydraulic systems. By utilizing proven state of the art designs, these valves meet or exceed the demanding requirements of today's high-performance turbine powered aircraft.

The product line includes a full size range of gate valves and a full size range of ball valves, plug, spool and butterfly valves. The electric motor actuator is designed and manufactured by Circle Seal Controls using well established methodology to provide a reliable, long cycle life, no maintenance actuator for electrical operation of valve mechanisms.

Our motor operated valves are qualified in accordance with the requirements of MIL-STD-810C and have been test proven to handle 10,000 cycles minimum at a torque of 45

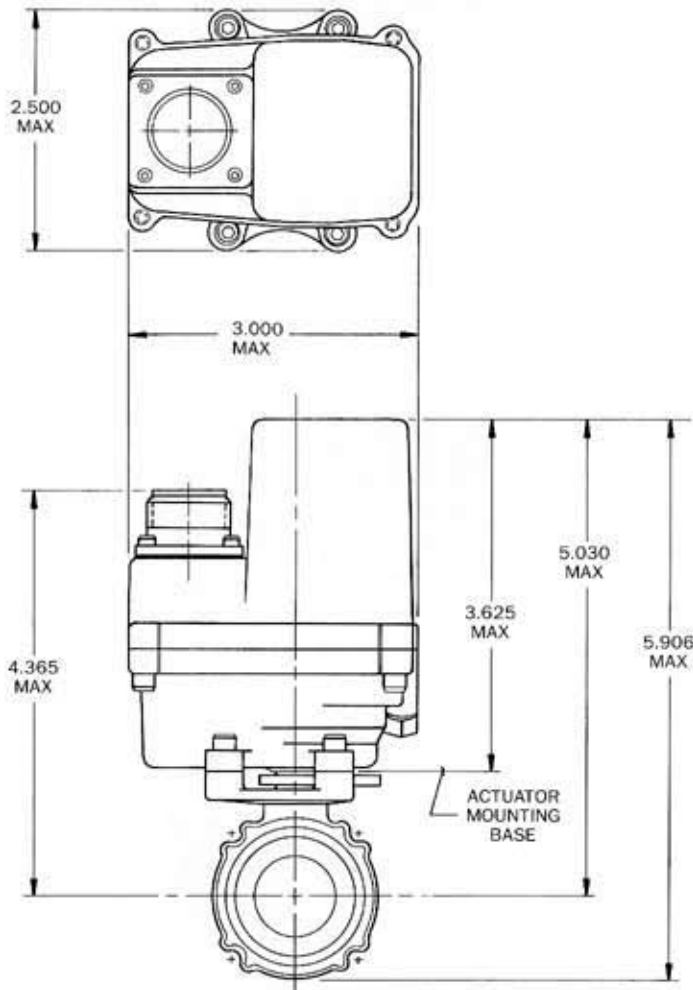
lb./inch (capabilities to 50,000 cycles and greater). Units have been designed and tested in accordance with MIL-V-8608 and MIL-M-8609.

Emission of radio frequency interference has also been controlled. The units have been qualified and can be manufactured to meet the requirements of RTCA Document DO-160A, Category A (equivalent to Boeing Document D6-16050-2, Category 3A).

Circle Seal Controls motor operated valves are presently being used by such companies as: Bell Helicopter, Canadair Ltd., DeHavilland Aircraft, Gates Lear Jet, Israel Aircraft Industries, and McDonnell Douglas.

Call or write for complete information or to discuss your specific application. Circle Seal Controls, Inc. 2301 Wardlow Circle, Corona, CA 92880-2881
TEL (951) 270-6200, FAX (951) 270-6201

Valve-Shutoff, Fuel 1" Motor Operated



Series	Valve Type	Size
EM95	Plug	3/8" - 1"
EM74	Butterfly	3" - 5"
EM91	Ball	3/8" - 1-1/2"
EM56	Gate	3/4" - 2"
EM57	Spool	1/4" - 1" inline and cartridge

General Technical Data

Response Time	.5-1 seconds maximum
Operating Current	2.3 amps maximum (running)
Power Required	70 Watts maximum
Stall Current	7 amps maximum

Notes:

Actuators are available in 28 VDC or 115 VAC 400 Hz. Standard electrical connector is MS3102R-14S-5P (other connectors are available).

Optional features include thermal relief, manual override, remote position indication and internal grounding.



Ball Valve



Ball Valve



Plug Valve



Spool Valve



Gate Valve



Butterfly Valve

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A CIRCOR International company

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