

Morehouse

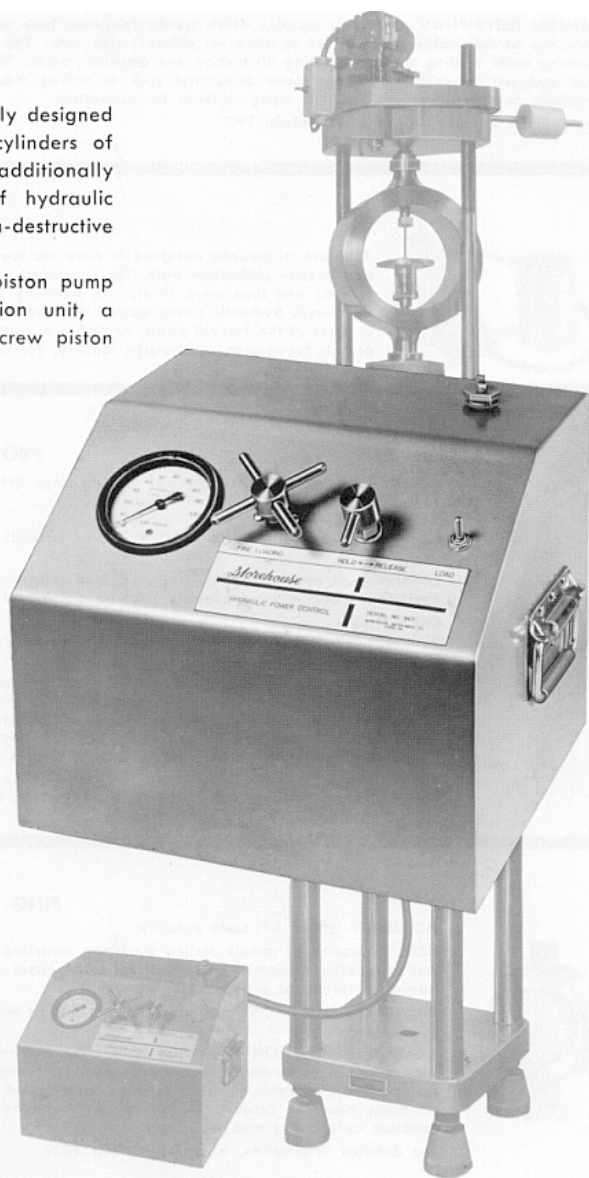
The Morehouse Hydraulic Power Control is specifically designed with a low rate of flow to control the hydraulic cylinders of Morehouse Universal Calibrating Machines. However, it additionally would have application where-ever the loading of hydraulic cylinders must be precisely controlled, such as in non-destructive testing of structures.

The Hydraulic Power Control consists of a radial piston pump driven by an electric motor through a gear reduction unit, a hydraulic gauge, and a manually operated vernier screw piston pump.

In operation, the electric motor driven pump is used to approach a specific pressure or force, and then the vernier screw piston pump is used to accurately approach and monitor the desired pressure or force. The hydraulic gauge may be calibrated to read in pressure, or when used in conjunction with a specific hydraulic cylinder, or series of hydraulic cylinders, accurately calibrated to read in terms of pounds force.

Because the pump of the Morehouse Hydraulic Power Control is designed to operate at a relatively low speed, it is extremely quiet in operation.

The steel cabinet which houses the Hydraulic Power Control is fitted with spring loaded chest handles to make the control easily portable.



GENERAL SPECIFICATIONS

Maximum Working Pressure	3,000 p.s.i., intermittent to 5,000 p.s.i.
Rate of Flow	With Motor Driven Pump—2 cu. in./min. With Vernier Screw Piston Pump—Infinitely fine
Reservoir Volume	350 cu. in. (1½ gallons)
Hydraulic Connector	¼" N.P.T.
Motor	½ H.P., single phase
Power Requirement	110 volt, 60 cycle
Length of Power Cord	12 feet
Cabinet Size	17" x 15" x 13" high
Weight	98 pounds

Photograph shows hydraulic power control with a 100,000 lbs. capacity calibrating machine.

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