

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 non-destructive testing of structures.

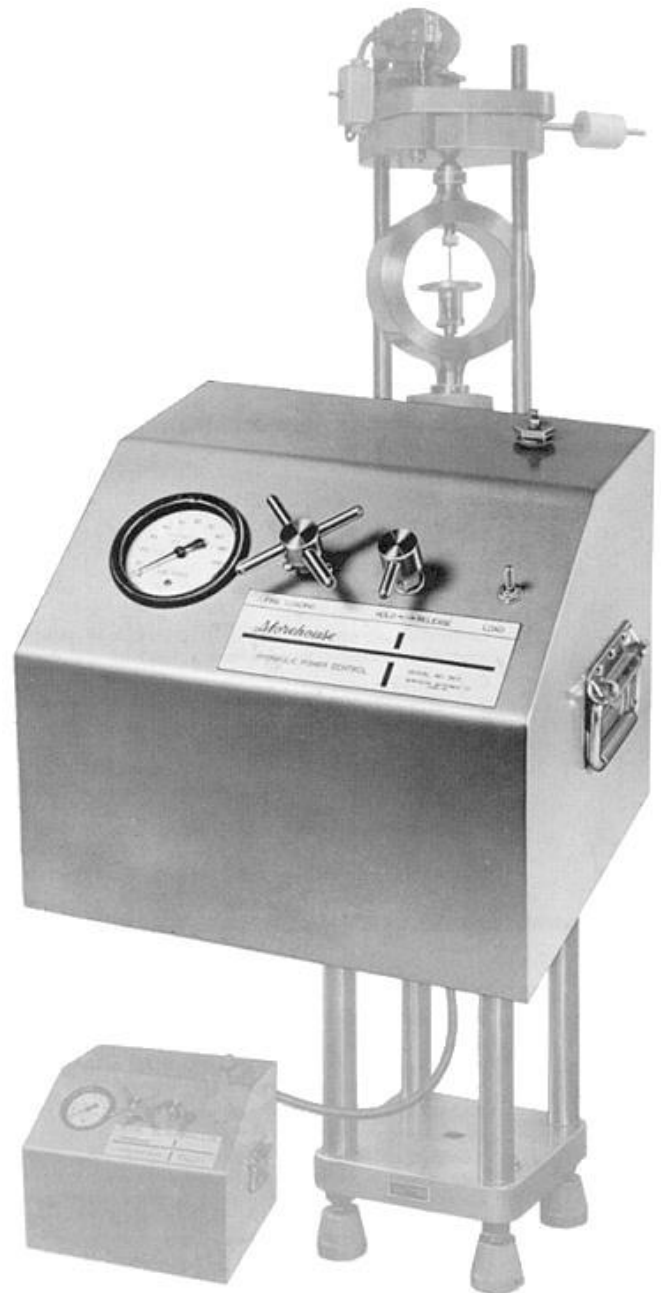
The Hydraulic Power Control consists of a radial piston pump driven by an electric motor through a gear reduction unit, a hydraulic gauge, and a manually operated vernier screw piston pump.

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

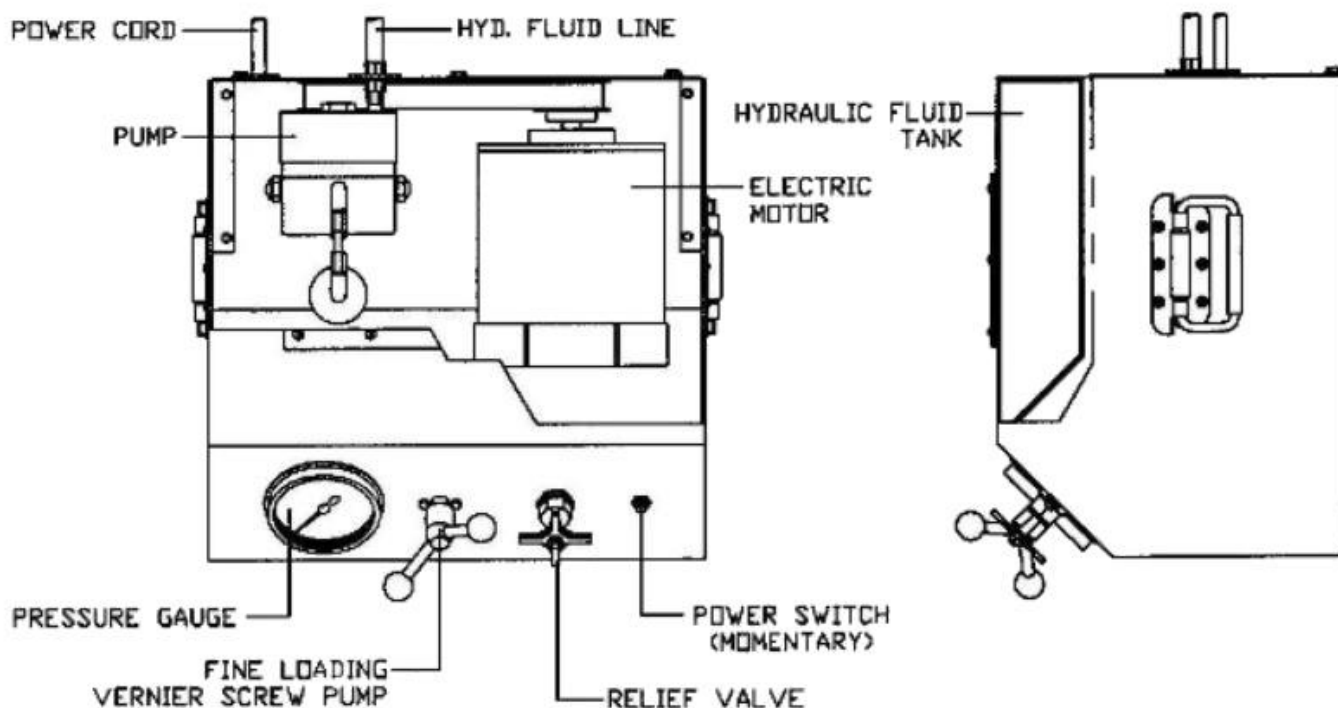
Maximum Working Pressure	3,000 psi, intermittent to 5,000 psi
Rate of Flow	With motor driven pump: 2 cu. in./min. With vernier screw piston pump: infinitely fine.
Reservoir Volume	350 cu. in. (1.5 gallons)
Hydraulic Connector	0.250" N.P.T.
Motor	0.5 Horse Power
Power Requirement	120V/60hz or 220V/50hz
Length of Power Cord	12 foot
Cabinet Size	17" width x 15" depth x 13" height
Weight	98 pounds



Hydraulic Power Control in foreground, and in background connected to a 100K Universal Calibrating Machine.



HYDRAULIC POWER CONTROL FOR FORCE CALIBRATION WORK



MOREHOUSE HYDRAULIC POWER CONTROL
PART MODEL NO.: 398000