Model 700
Hydraulic Component Test Stand
www.powertestdyno.com
Model 700 Hydraulic Component Test Stand

New from AIDCO and the innovative engineers at Power Test, is the Model 700 Hydraulic Component Test Stand (HCTS). Designed to test heavy-duty, off-highway, closed or open loop pumps, the 700 gives you the capacity to confidently and efficiently verify the quality of your work. Test new or rebuilt pumps, motors, valves, and cylinders independently, and communicate their quality to your customers with the help of PowerNet TD, data acquisition software for transmission and hydraulic systems.

Testing individual components used to be a time consuming, inefficient task. Even more so if you had to design your own test bench. The testing experts at Power Test solve these issues with the clean, quiet, electric hydraulic component test stand. The Model 700 HCTS is tailored specifically to provide capacity for efficient continuous-duty pump performance verification, quality assurance, and component certification. With the Hydraulic Component Test Stand, Power Test has delivered a product to Make Your Testing Easy.

Features of the Model 700

- Convenient work height with adjustable mounting track
- Multiple safety shield options (Shield, adjustable boom, fully enclosed)
- 100, 200 or 300 HP output drive motor options available
- Variable Frequency Drive (VFD) controlled output drive motor
- Drive speed is controlled from a single potentiometer for simplified operator control
- Provides closed loop speed, and load control to the component under test
- 200 gallon (605 L) hydraulic oil reservoir with supply pump for oil supply circuits
- Two (2) pressure taps monitor pressures within the component under test
- Equipped with loadable diagnostic flow loop
- Optional internal manifold rectifier block for testing closed loop pumps is available
Benefits of the Model 700

- Removes the testing bottleneck that can occur with dual purpose test stands
- Avoid the cost of engineering and installing your own hydraulic test system
- Offers continuous testing at rated outputs with increased capacity for short durations
- Supplement the testing capacity of your existing equipment
- Remotely located electrical control box allows for flexible facility design
- VFD allows for maximum control of flow, speed, and load
- Hydraulic oil reservoir allows for convenient testing of large pressurized oil circuits
- Cleaner and quieter than diesel and hydrostatic drive systems
PowerNet TD Data Acquisition and Control System is available for all AIDCO Test Stands.

Data Acquisition and Control Systems

The Model 700 Hydraulic Component Test Stand can be purchased with the newest version of PowerNet TD for reliable data acquisition and control – offering automated test patterns, flexibility in the test monitor display and printed reports.

PowerNet TD makes it easy to monitor and record speeds, torques, pressures, temperatures and flow rates during manual and automatic testing, and create professional data reports - PROOF that your high-quality work is worth the price and PEACE OF MIND that your customers will be happy.

Power Test - Your Full Service Manufacturer

AIDCO manufactures a wide range of hydraulic and transmission testing equipment, including electronic shift consoles, valve body test stands, and hydraulic test centers.