



900C-FA Hydraulic Test Center
www.powertestdyno.com



Model 900C-FA Hydraulic Test Center

A versatile test stand designed for testing heavy-duty off-highway hydraulic components, the AIDCO Model 900C-FA Hydraulic Test Center features some of the most advanced technology on the market today. Designed for complete pump, motor, and hydrostatic transmission and hydraulic testing, with fully automated processes and state of the art display panels, the Model 900C-FA is much more than a standard transmission and hydraulic test bench.

The Model 900C-FA provides a durable and reliable platform for performance testing transmissions, torque converters, gear pumps, vane pumps, hydrostatic pumps, hydraulic motors, cylinders, and valves. Performance testing leads to reduced operating costs due to rebuild errors and the possibility of critical failures in the field. Equipment dealers can realize more profitable maintenance contracts and increased customer satisfaction by utilizing performance testing. Additionally, the Model 900C-FA features an independent closed loop hydrostatic drive for a contamination free drive system, two high resolution display monitors for easy readability and personalization, and industrial grade glycerin filled pressure gauges.



Capable of detecting shift points and mechanical binding, identifying vibrations, diagnosing and locating leaks, measuring pressure and flow, clutch leakage and output torque (optional), the AIDCO Model 900C-FA Hydraulic Test Center is one of the most comprehensive hydraulic testing tools on the market.

900C-FA painted blue, ask your representative about the custom finish options available for every AIDCO product.

Features and Benefits of the 900C-FA

Every Model 900C-FA Hydraulic Test Center is custom built to your specifications. AIDCO's in-house manufacturing allows for short lead times, allowing you to begin testing as soon as possible.

300/400/450/500 HP electric motor upgrades available

On-site Training and Commissioning

Independent closed loop hydrostatic drive eliminates contamination risk

Power Lift Assembly:

- Facilitates easy maneuvering of the hydraulic drive motor/drive shaft for alignment with the test component

Fully Automated Functionality:

- Ensures consistent and repeatable results between multiple operators
- Specified settings save time with each component test - one and done approach
- Capable of controlling every set point of every flow loop
- Also allows for full manual control on panel

Mounted Flat Panel Monitors

- Enhanced large display visibility with easy to read dashboards
- Utilize OEM communication tools on secondary screen
- Reduced panel complexity by displaying only relevant measurements
- Convenient keyboard and mouse location directly below display panels

PowerNet TD Data Acquisition and Control:

- Offers full control and data acquisition for complete pump, motor, and hydrostatic transmission testing

PowerNet TD Data Acquisition and Control System is available for all AIDCO Transmission and Hydraulic Test Stands.

Data Acquisition and Control Systems

PowerNet TD is designed to provide a comprehensive, easy to use data acquisition and control system for all AIDCO customers. PowerNet TD utilizes a Windows-based computerized data acquisition system to monitor and record speeds, torque, pressures, temperatures, flow rates and shift events.

In addition to advanced monitoring and recording, PowerNet TD enables AIDCO users to run an automated test procedure for electronically controlled transmissions through direct manipulation of speed, flow and output load. This not only ensures consistent repeatability of test procedures, but provides a record of performance parameters exhibited during a test.

Designed for ease of use, PowerNet TD allows for easy configuration of instrumentation, operator designated warnings for high/low limit and operator customized full-feature data reports. All reports are generated in a standardized HTML format.



Optional Features

Adapters available for most Caterpillar off-highway equipment

Optional Rectifier Manifold

- Allows for testing of closed circuit pumps

Optional No-Step Work Table Design

- Facility plans available for recessed work table

Output Load, Eddy Current Absorber and stand:

- Trolley mounted - capable of vertical and horizontal movement
- Continuous torque - 525 lb. ft.
- Intermittent torque - 1,470 lb. ft.

Remote Operator Station Kit

- Allows operator to work in an independently controlled environment

Soft Start Contactor:

- Aids in reducing peak current draw during the motor start cycle
- Reduces voltage drop ("brown out") during initial start
- Works with 380, 400, 415, 480 VAC input requirements

Dual Centrifugal Oil Cleaning Circuit with 8.0 gpm pump:

- Provided optimum oil cleansing through a kidney loop system



Gauge & Pressure Tap Panels



Mounted Flat Panel Monitors

Safety and Maintenance Features

- Automated shutdown protocols with computer controlled pressure reliefs
- Safety set points remain active in both auto and manual operation modes
- Enables remote operation and optimizes employee safety
- Polycarbonate Sliding Safety Shield - Used to protect operator from fluid splash and small projectiles
- Multi-location ladder for convenient machine-top access and maximum safety
- Rear door access and ample interior lighting for added visibility and safety during maintenance
- Roof access to filters for easy maintenance
- Easy-swing filter change design

We Make It Better

Who We Are

Power Test, Inc. is an industry leader in the design, manufacture and sale of dynamometers, heavy equipment testing systems and related data acquisition and control systems. For nearly 40 years, Power Test has provided specialized test equipment to manufacturers, rebuild facilities and distributors in the mining, oil & gas, power generation, marine, trucking, construction, rail, and military markets in over 80 countries on six continents. Our headquarters and manufacturing operations are located in Sussex, WI with sales representatives worldwide.

How We Work

The Power Test team of innovative engineers, designers, software developers and sales consultants will SOLVE YOUR CHALLENGES with logical solutions. Our skilled machinists, fabricators, electronic technicians and assemblers build products to meet your unique needs. Our technical service experts are dedicated to working with you, anywhere and anytime. They travel the globe to ensure your equipment is running right and your staff is trained to operate it. Our exceptional product life and manufacturing expertise made us an industry-leading dynamometer manufacturer, as evidenced by our first machine sold, which is still in active use today!



900C-FA
Hydraulic Test Center

Power Test - Your Full Service Manufacturer

AIDCO manufactures a wide range of transmission and hydraulics testing equipment, including electronic shift consoles, valve body test stands, heavy duty transmission dynos and hydraulic component test stands.

Contact your Power Test representative or visit our web site at www.powertestdyno.com for more information.



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