

Hydraulic Training Systems

Teaching and learning hydraulics in real-time



Plug-and-Play Training Module D07 Directional Control Valve

Purpose -

The MF100-D07 is an actual directional valve assembly that is commonly used on industrial machinery.

D07, D08, and D10 directional control valves, are unique in that they can be configured to suit the environment in which they will be used.

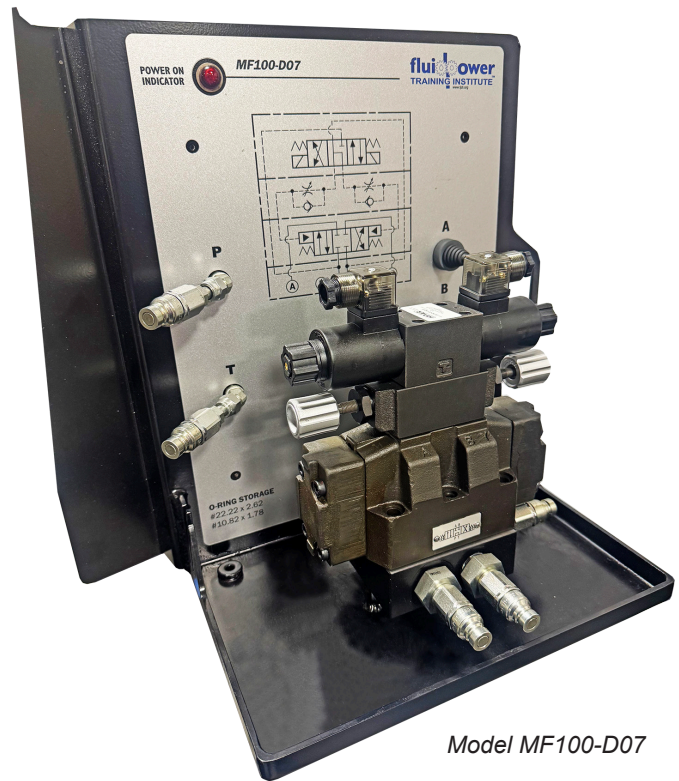
Maintenance techs who are not familiar with these configurations have caused hundreds of hours of unnecessary downtime because after installing a new valve in a hydraulic system, it doesn't work.

The first thing untrained technicians do is order another valve because they believe the new valve is defective. However, if they were aware of how and why these valves are configured for a given application, they could re-configure the valve and get the machine back into production.

As with all of FPTI's unique plug-and-play modules, simply slide this into the side of any model MF102 training simulator. The D07 valve on the module is fully functional.

What a student will learn with the aid of the MF100-D07 module:

1. How to convert the valve from internal pilot to external pilot and vice versa.
2. How to convert the valve from internal drain to external drain and vice versa.
3. Why the pilot-valve must have a float-center configuration.
4. How to test directional control valves for cross-port leakage.
5. How to replace the internal seals.
6. Why a pressure reducing valve should be used if the system pressure is above 1000 PSI (69 bar).
7. Why a back-pressure check valve must be used in open-center, and tandem-center configurations.
8. How to adjust a pilot choke valve.
9. These valves are used extensively in both industrial and mobile hydraulic systems.



Model MF100-D07

Shipping Specifications -

Shipping weight (does not include container and packaging): 15.88 kgs (35 lbs)

Shipping dimensions:

23" (58cm) H x 21" (53cm) W x 13" (33cm) D

Warranty -

FPTI™ warrants it's products against defect in materials or workmanship for a period of two (2) years from date of delivery.

Plug-and-Play training modules attach quickly and easily to any MF102 series training simulator



fluid power
TRAINING INSTITUTE™
www.fpti.org

All FPTI™ simulators are available for operation at any voltage or frequency

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