

# Hydraulic Training Systems

Teaching and learning hydraulics in real-time



## Plug-and-Play Training Module Proportional Direction and Flow Control Valve with optional Position Feedback

Model number- MF100-PDCV

### DESCRIPTION:

The MF102 series simulators are designed to grow with your training needs and your training budget.

The MF100-PDCV Proportional Directional/Flow Control Valve Module is just one of the many modules, which can be added to the MF102 series simulator to increase its already impressive teaching and learning capability.

Combined, the components on the Proportional Directional/Flow Control Valve Module and the MF102 series simulators allow instructors to teach, and students to learn, all facets of Proportional Directional/Flow Control Valve operation and circuit application, and amplifier parameter adjustment.

FPTI™'s training modules are easy to install and integrate seamlessly into any mainframe series simulator. They also feature the same aesthetics and exceptional durability as the renowned mainframe simulators, and, they are very affordable.

The Proportional Directional/Flow Control Valve Module consists of the following components:

1. 2-position, 4-way, proportional solenoid controlled closed-center directional/flow control valve.
2. Amplifier.
3. Joystick controller (linear potentiometer) - optional.
4. Color-coded electrical wires with banana clips.
5. Fuse.
6. Aluminum, self-contained unit finished with a durable powder-coat with removable steel back cover.
7. Front-plate with printed identification symbols and color-coding.
8. Appropriate warnings and cautions.



9. All hydraulic components are fitted with high-quality quick-connect/disconnect valves.
10. All quick-connect/disconnect fittings are flat-face style to reduce oil loss.

FPTI™'s simulator design philosophy is simple: make the "hands-on" learning experience "real-time" rather than "simulated," and NEVER alter component port identification for the purpose of teaching or learning.

This approach makes the transition from the classroom to the workplace seamless and, more importantly, safe!



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The following items are included with the MF100-PDCV Proportional Directional/Flow Control Valve Module:

- Full-color PowerPoint™ presentation in CD format (PC & Mac compatible)
- Student workbook featuring trainer activities.
- Instructor's manual

### Exceptional quality and durability -

When we say “handcrafted with pride in America,” we mean it! Simulators built by FPTI™ will add class to any classroom, and will provide years of trouble-free operation.

- FPTI™ uses only the very best materials.
- All painted components are finished in high-quality, powder-coat for exceptional durability.
- All markings and symbols are applied using state-of-the-art imaging and an exceptionally durable application process.
- All welding conforms to industry standards and welds are made by certified welders.
- To enhance safety, all components are designed and positioned to minimize oil dripping to the floor.
- All quick-connect/disconnect valves are equipped with flat-face style connectors to reduce the amount of oil drip during connecting of hoses.

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



### Shipping Specifications -

Shipping weight

(does not include container and packaging):

15.88 kgs (35 lbs)

### Shipping dimensions:

58 cm (23") tall x 53 cm (21") wide x 33 cm (13") deep

### Warranty -

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

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

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