

# Pneumatic Training Systems

Teaching and learning pneumatics in real-time



## MF700-PN Pneumatic Training System

Teachers, you wanted a pneumatic training system with some “**must have**” features:

- **Must have** the ability to accept almost any, and every, type of pneumatic component, including your own.
- **Must have** the ability to adapt to any skill level from basics through electro-pneumatics.
- **Must have** industry-standard safety lockout valves: the same ones used in industry so you can teach your students to think safety and work safely.
- **Must have** a light-weight frame that is compact, rigid, mobile, and extremely durable.
- **Must have** been handcrafted with pride in the USA with unrivalled quality.
- **Must have** the ability to grow as your needs and budget grow.

*We love it when teachers know what they **must have** to teach pneumatics brilliantly.*

### Plug-and-Play component mounting system:

All components store neatly along the bottom of the mounting panel. Each component is tagged with its appropriate ISO symbol. The student simply selects the component that corresponds with the symbol on a schematic and constructs the system - it's that simple!



*Component storage slots on front of trainer allow quick and easy access to most commonly used components*



*Build completely operational pneumatic systems*

### Components (Model MF700-PN) -

- 1 Frame assembly with 4 swivel casters with locks.
- 1 Panel assembly.
- 1 Air compressor (optional).
- 2 Roller operated DCV, 2-position, 3-way.
- 1 Hand-lever operated DCV, 2-position, 3-way, spring return.
- 1 Single remote piloted DCV, 2-position, 4-way, air return.
- 1 Single solenoid operated DCV, normally closed, 2-position, 3-way, air return.

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- 1 Double solenoid operated DCV, 3-position, 4-way, spring centered.
- 4 One-way flow control valves.
- 1 Double-acting, single rod cylinder, 10" stroke, 1.5" bore.
- 2 Single-acting, single rod cylinder, 6" stroke, 1.5" bore.
- 1 Filter/regulator/E-stop with 4-port distribution block.
- 1 Quick exhaust valve.
- 3 0-150 PSI pressure gauges, 1.5" display.
- 8 30" hose assemblies.
- 1 100' hose roll.
- 1 Tubing cutter.
- 20 Hose fitting assembly.
- 10 Tee fitting.
- 1 Student workbook.
- 1 Instructor Answer CD with PowerPoint.

### Your compressor or ours:

We can supply an air compressor, or you can simply plug the simulator into your local air supply. The on-board air filter, water separator, and pressure regulator, insures that the components operate at a safe pressure level, and that there is always a clean and water-free supply of air.

### Lined work surface:

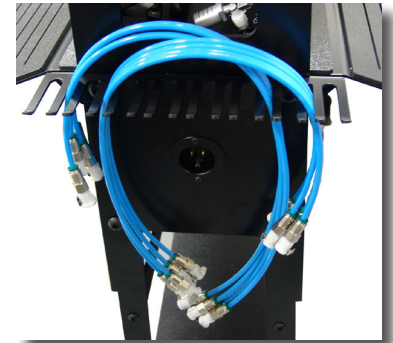
A convenient, lined, work surface provides a place for students to put their workbooks leaving their hands free to assemble and disassemble circuits.



*Spacious front tray with lip allows students to build systems while working with their books and manuals*

### Keep the work area clean and clutter free:

All hoses with quick-connect/disconnect valves are stored in a convenient rack.



*Convenient hose storage on both sides of the trainer keeps hoses organized and out of the way*

### Adapt any pneumatic component to the MF700-PN, even if it's not one of ours:

FPTI™'s unique, plug-in style mounting hardware makes it possible to mount \*any component in either a vertical or horizontal position.

*Unique valve locking design allows for easy on/off installation of valves and components*



*\*to mount components other than those provided by FPTI,™ a special mounting adaptor will be required.*

### And, it's a rather simple system to operate:

Plug it in to a standard 115V - single-phase receptacle, insert your Powerpoint CD, hand out the text books and simulator activity manuals to your students, and let the teaching and learning begin!

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### Shipping Specifications -

Shipping weight (does not include pallet and packaging):

Double-sided simulator - 405 lbs (184 kgs)

Single-sided simulator - 405 lbs (184 kgs)

### Shipping dimensions:

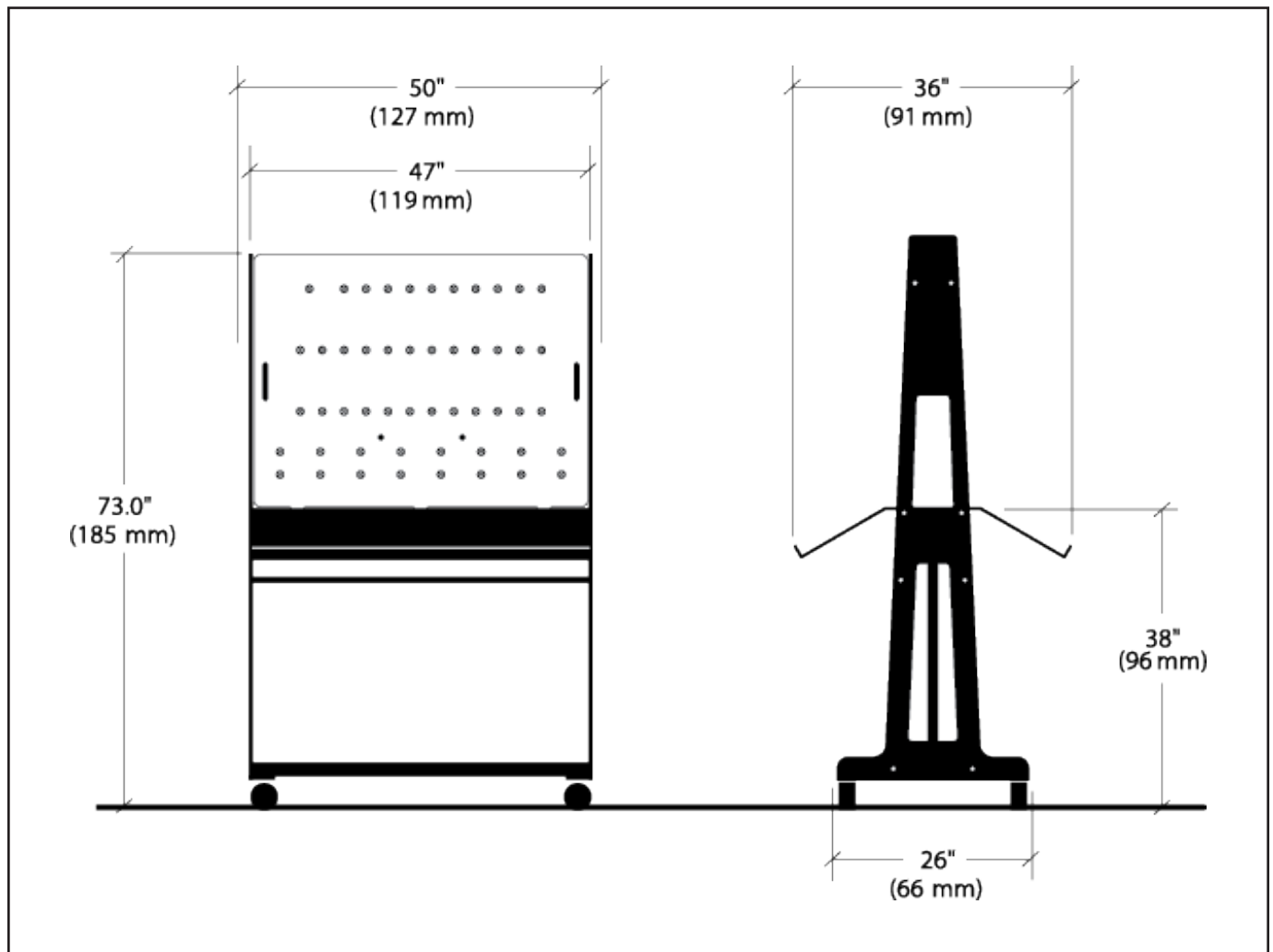
84" (213 cm) tall x 54" (137 cm) wide x 42" (107 cm) deep

### Course Materials and Visual Aids -

- Manual - Parker Corporation's "Pneumatic Technology for Industry"
- Visual Presentation - Pneumatic Technology for Industry Full-color, PowerPoint presentation on CD

### 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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