

Fluid Power Learning Systems

Educational Training Equipment for the 21st Century

Bulletin 220-1K

H-FP Modular Fluid Power Technology Program Purpose

The Hampden Modular Fluid Power Technology Program consists of hydraulic/ pneumatic equipment in modular form available for purchase in combinations needed to meet various teaching objectives.

Description

- **H-FP/BHS** Basic Hydraulics System consists of an Instrumentation Module, a Valve and Actuator Module (pictured right).
- **H-FP/BPS** Basic Pneumatics System consists of an Instrumentation Module, a Pneumatic Actuator/Valve Module (pictured below), and a Hose and Component Package.
- **H-FP/EHS** Electrohydraulics System consists of a Control Module and a Component Module. This system is to be used in conjunction with the **H-FP/BHS**.
- **H-FP/EPS** Electro-Pneumatics System consists of an Electro-Pneumatic Module.



MODEL H-FP/IHS Intermediate Hydraulics



MODEL H-FP/IPS Intermediate Pneumatics

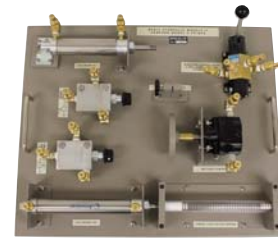


MODEL H-FP/BHS Basic Hydraulics

- **H-FP/ESS** Electronic Sensor System consists of a Magnetic Reed Sensor, Proximity Sensor, Hall Effect Sensor, Fiber Optic Sensor, Target Set and a Base Assembly with protractor. All of the above modules are designed for interface with the **H-FP/EHS** Electrohydraulic and **H-FP/EPS** Electro-Pneumatic Systems.
- **H-FP/HPS** Mobile Hydraulic Supply supports up to 3 hydraulic systems.
- **H-FP/HPS-LITE** Mobile Hydraulic Workstation supports one **H-FP/BHS** Hydraulic System.
- **H-FP/H-6032** consists of a mobile (2 fixed and 2 locking swivel casters) hydraulic bench for mounting the modular systems for experimentation. It has two sliding doors, provided with a key lock for security. The bench has a recessed top surface that sloped from all sides toward a drain and is capable of housing a hydraulic power supply (included) and an air compressor.
- **H-FP/IHS** Intermediate Hydraulics System consists of a Valve Module.
- **H-FP/IPS** Intermediate Pneumatics System consists of a Pneumatic Module.



MODEL H-FP/BPS Basic Pneumatics



- **H-FP/PAC** Portable Air Compressor with 8' hose.
- **H-FP/PPS** Pneumatics Air Supply is designed for mounting within the **H-FP/H-6032** bench, completely factory assembled.
- **H-FP/PLC** Allen Bradley Programmable Logic Controller Module, capable of operating the Electro Hydraulics or Electro Pneumatics Systems. (Other PLC's available) Includes H-LTCS laptop controller and RSLogix Micro Software.



MODEL H-FP/HPS-LITE Mobile Hydraulic Workstation



All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION