

Flow System Trainers

Educational Training Equipment for the 21st Century

Bulletin 131-100A

H-FST Flow System Trainer

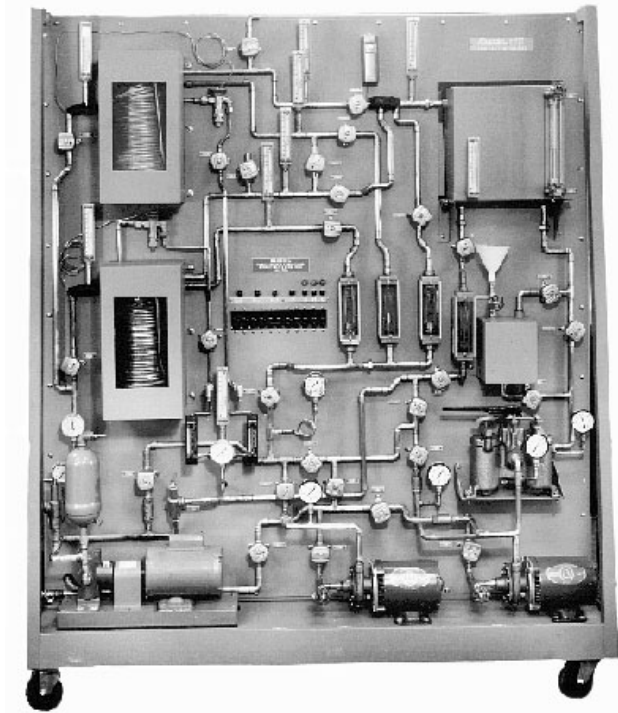
Purpose

The Hampden **MODEL H-FST** Flow System Trainer allows the study of series and parallel flow system combinations, the effects of temperature, and filtering.

Description

The trainer consists of the following components:

- 10 Gallon tank
- Immersion heater, 2500 W
- Cycling thermostat, 110°F – 170°F
- Temperature relief valve 210°F, 150 PSI
- Pressure relief valve 210°F, 150 PSI
- Two-cylinder piston pump, 2 GPM (2)
- Impeller-type pump, 2 GPM (2)
- Check valves (3)
- Sight/level glass
- Industrial thermometers, 30°F – 180°F (9)
- Variable area flow meters, 0.1 – 0.8 (6)
- Pressure gauges (4)
- Compound manifold gauge
- Water chillers (2)
- Medium back pressure compressor, 2 HP
- Pulse damper, 4 GPM
- Dual strainer assembly
- Mixing reservoir
- Manifold pressure gauge
- Throttleable line valves (20)
- Regulating unloading valve, 300-500 PSI, 15 GPM max.



MODEL H-FST Flow System Trainer
Dimensions: 78"H x 66"W x 31"D
Shipping Weight: 800 lbs.

Specifications

Construction:

Formed #12 gauge steel panel with steel "U" channel "A" frame support and 4" diameter casters

Finish:

Gloss white

Tank:

Stainless steel, 10 gallon

Refrigerant:

HFC-134a

Electrical Input:

208VAC, 1 phase, 60Hz

Chillers:

One ton, barrel type

Condenser:

Two ton with 2 HP motor

Strainer:

Duplex type

Mixing Reservoir:

Stainless steel, one gallon, w/funnel

Nomenclature:

Legend plates engraved, white core phenolic, or silkscreened with black KEM enamel

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

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ENGINEERING CORPORATION