

# STANDARD PANEL

M100000

## PRESSURE CONTROL FOR PERMEABILITY AND TRIAXIAL TESTING



### SPECIFICATIONS AND REQUIREMENTS

inlet requirements: compressed air, vacuum, water,  
drain-use 1/4" od plastic tubing

max. inlet pressure: 250 psi

operating pressure range: 0 - 150 psi

volume change capability: 0.05 ml resolution  
125 ml flow before drain/refill

power: 110VAC 60Hz (240VAC 50 Hz opt)

size: 24.5" W x 38.5" H x 10.5" D

shipping weight: 160 lbs

The **STANDARD PANEL** is an air operated pressure control panel for permeability and triaxial testing. It consists of a control section and three pressure positions.

The *control section* contains a digital readout for precise pressure setting, controls for supply vacuum and pressure, tank controls to operate an optional water tank (a source of deaired water), a vacuum hose, and water outlet for chamber filling.

Each *pressure position* is an independent pressure source used for cell, back, head, or tail pressure. Each has a precision, bleeding type pressure regulator and a double-walled buret-accumulator to measure volume change. Flow-through (no dead space) tubing, valves, and fittings are used for all water lines. Attention to design details make testing according to ASTM specifications possible.

Control organization results in simpler operating procedures with less operator error. Panel settings are determined with a glance at indicator gages, a digital readout, and pointer-shaped valve handles.

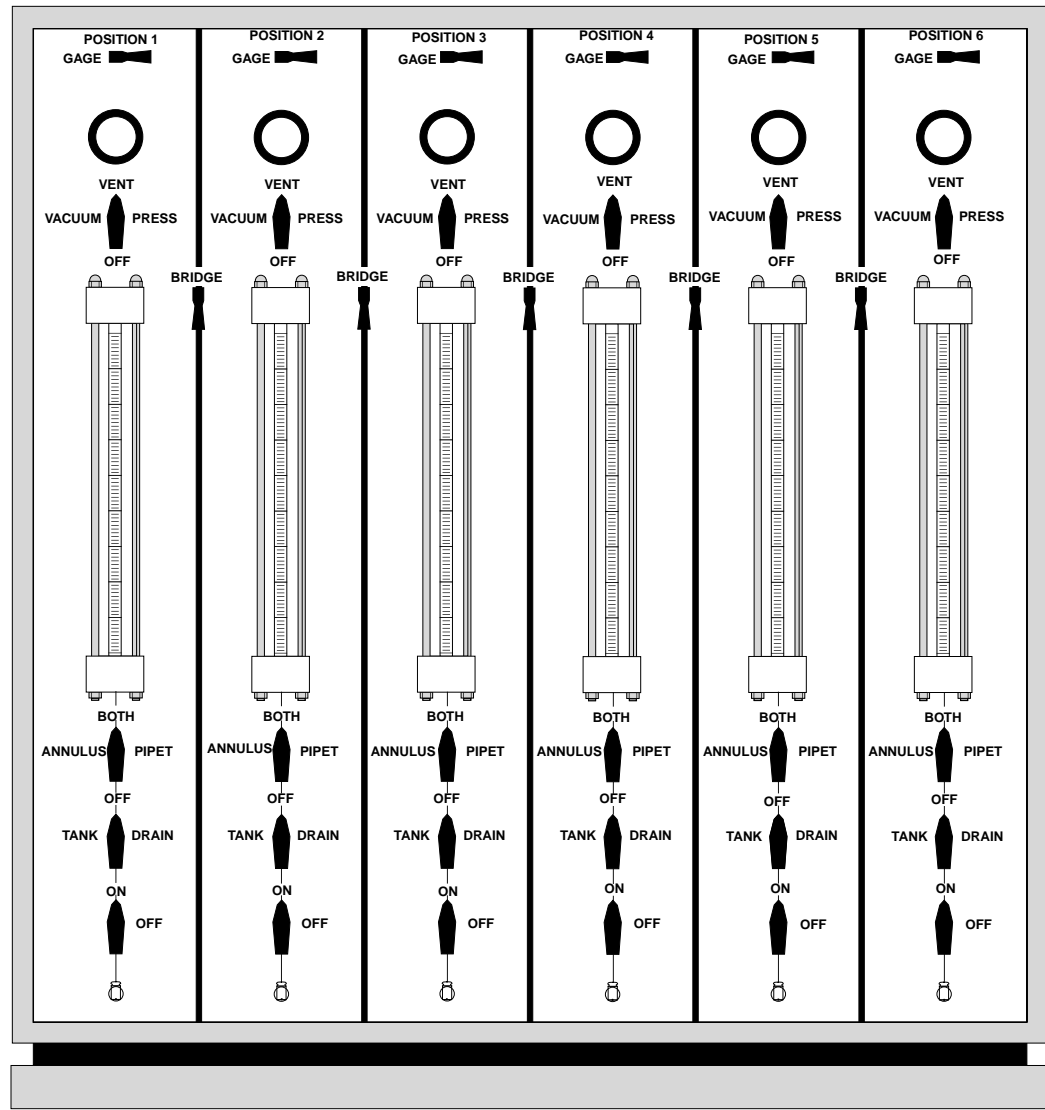
Setup is simple and can be accomplished in minutes. Bulkhead fittings are provided in the rear for compressed air, vacuum, water, drain, and tank. Portability makes it ideal for field laboratories.

The **STANDARD PANEL** was designed with expansion in mind. The control section can operate "add-on" panels which connect to rear fittings. This makes the **STANDARD PANEL** an excellent foundation for building your triaxial and permeability system.

# STANDARD ADD-ON PANEL

## M116000

### PRESSURE CONTROL FOR PERMEABILITY AND TRIAXIAL TESTING



Need to increase testing capacity? Do so economically by making use of the **STANDARD PANEL** control section to operate this panel. The **STANDARD ADD-ON PANEL** adds six more pressure positions to your current system. These pressure positions are identical to those on the **STANDARD PANEL** and have the same important features: independent pressure control, double-walled precision buret-accumulators, and flow-through (no dead space) tubing, fittings, and valves. Attention to design details make testing according to ASTM specifications possible. Setup is simple and can be completed in minutes. This add-on capability is part of the **TRAUTWEIN** design philosophy which makes sure you get maximum use out of your test equipment.

shipping wt: 200 lbs



size: 36"Wx38.5"Hx10.5"D