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Pressure Control Station

INSTRUCTION MANUAL

Catalog #400343 (120 V), #400344 (220 V) and #400345 (100 V)
IN # 70087-00
Revision #122001a

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Pressure Control Station

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Pressure Control Station

INTRODUCTION

The Pressure Control Station is a portable pressure source that provides a constant pressure at variable settings between 0 and 200 mm Hg. This product is recommended for use with Stratagene's Universal PosiBlot® pressure blotter [Catalog #400331 (120 V), #400332 (220 V) and #400333 (100 V)].

***Note**: All tubing used in conjunction with the Pressure Control Station must be capable of withstanding applied pressure.*

SAFETY

Please read this instruction manual carefully before using the Pressure Control Station. Care must be taken to ensure proper operation for reliable performance. Failure to maintain the Pressure Control Station in its proper condition may reduce its effectiveness.

- Do not use the Pressure Control Station for any purpose other than that described in this instruction manual.
- Make sure the power cord fits snugly into the back panel and the wall socket and that the power cord is kept dry. Do not immerse the power cord or plug in water or allow it to hang over the edge of a counter.
- Do not operate the Pressure Control Station on wet surfaces
- Do not expose the Pressure Control Station to extreme temperatures.

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COMPONENTS

The following is an explanation of the components of the Pressure Control Station. Please refer to Figure 1 while reading this section.

Component	Explanation
Pressure gauge	Displays the pressure in millimeters of mercury (mm Hg)
Pressure adjust	A knob that controls the amount of pressure from the pressure inlet
Pressure outlet	The opening on the Pressure Control Station to which the hose connects
Power button	Power button to turn the Pressure Control Station ON or OFF
Power cord	A standard 115/120- or 220-V cord
Power cord socket	(located on the back panel)
Pressure hose	Sixty centimeters of hose that quickly disconnects from the pressure outlet (not shown).
Circuit breaker	A circuit breaker which is used in the event of an electrical short (located on the back panel)

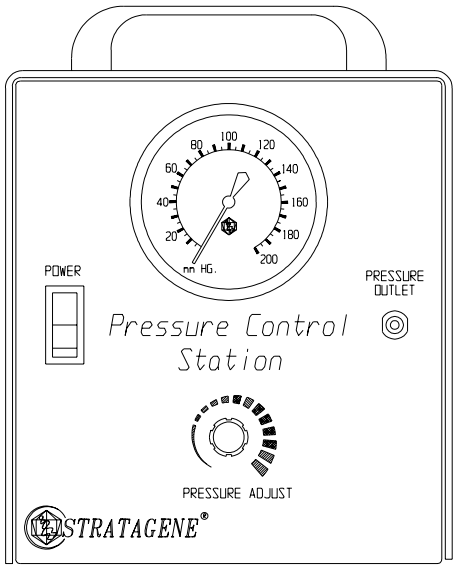


Figure1. The Pressure Control Station control panel.

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OPERATING INSTRUCTIONS

1. Position the Pressure Control Station unit on a flat, dry surface.

2. Plug the power cord securely into the socket on the back of the unit. Connect the plug into an outlet that has been grounded to prevent shock.

3. Turn the pressure adjust knob counterclockwise as far as possible.

4. Press the POWER switch on the front panel of the unit.

5. Place a finger or thumb over the pressure outlet on the front panel of the unit and adjust the pressure by turning the pressure adjust knob clockwise to achieve the desired setting.

6. Attach the pressure hose to the pressure outlet on the front of the unit and then to the device to which the pressure is to be applied. **Allow time for the unit under pressure to stabilize at the pressure setting in step 5.**

7. When finished, turn the pressure adjust knob counterclockwise and disconnect the pressure hose.

TROUBLESHOOTING

Observation	Suggestion
The pump fails to operate	If the power switch is depressed and the pump fails to operate, check the power cord connections and reset the Pressure Control Station by pressing the circuit breaker on the back of the unit
The pump operates without pressure	If the pump is operating and there is no pressure at the pressure outlet, check the pressure hose connections

SPECIFICATIONS

Height	21.5 cm
Width	16.0 cm
Depth	17.0 cm
Weight	3.2 kg
Pressure	0–200 mm Hg

ENDNOTE

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