

# Plasti-Fab®

PRODUCTS FOR THE WATER AND WASTEWATER INDUSTRY

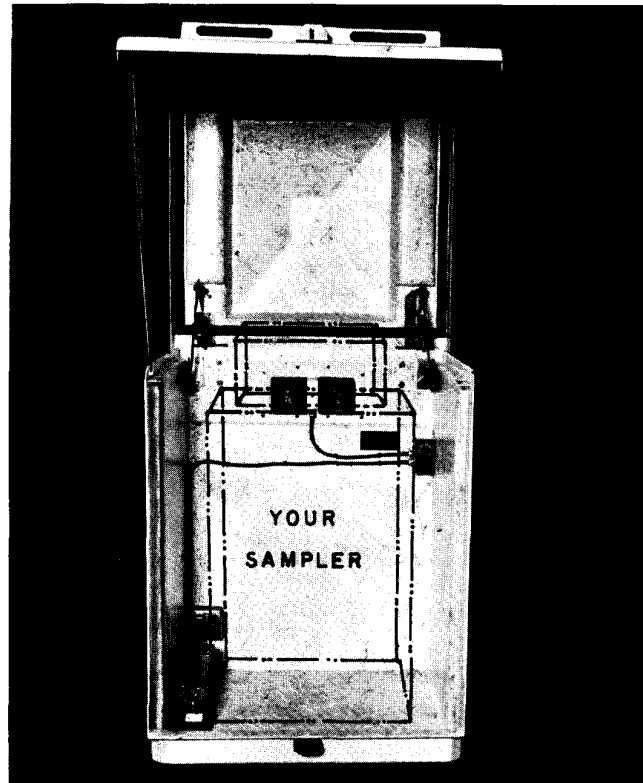
## FIBERGLASS SAMPLER SHELTERS

PRODUCT BULLETIN E-4A  
REV 1

# SHELTERS FOR YOUR REFRIGERATED SAMPLER

- NEMA 3R
- CORROSION RESISTANT
- SEAMLESS CONSTRUCTION
- INTEGRAL FLOOR
- INSULATED/NON-INSULATED MODELS

SIZE: 2'-9" w x 2'-3" d x 3'-10½" h (inside)



Available in fully insulated or general purpose models to provide complete security and weatherization for expensive instrument and sampler systems.

### DESIGN FEATURES:

- **Single Piece Integrity** — Shelter and cover are each molded as a single unit with no external seams or welds. Floor is molded with sides.
- **Sandwich Construction** — Insulated Model uses 1" polyurethane foam core between fiberglass reinforced polyester skins.
- **Easy Access** — Gull wing door lifts up and out of way to allow unhindered access while working.
- **Weatherization** — Weathertight seals protect against moisture. Screened vents at front and back provide air circulation.
- **Equipment Security** — Stainless steel hinges and padlocking hasp protect internal sampler and instruments.
- **Low Maintenance** — Rugged trouble free structure resists scarring or abrasion. Smooth exterior gelcoat surface makes cleaning easy and protects against biological contamination.

- **INTEGRAL FLOOR** — Floor provides protection for expensive samplers and instruments against moisture picked up from concrete floors and humid atmospheres.
- **COUNTERPOISE SPRING** — Servicing personnel can lift door with only one finger.
- **Color Choice** — Standard exterior finish is smooth, white gelcoat. Optional green or beige exterior finish is available.

### AVAILABLE OPTIONS:

- **Exhaust Fans** — Dual 100 cfm exhaust fans provide ventilation and circulation for better temperature control. Fans can be thermostatically controlled.
- **500 Watt Heater with Integral Thermostat** — Helps to prevent winter freeze ups.
- **Electrical Connection** — Recessed male grounding plug with spring tension cover for easy external hookup. 4-plex connection box for internal supply.
- **Drain** — 3/4" corrosion resistant marine thru-hull connector provides easy sampling tube access or drainage.

With the door up, access to all internal workings is unhindered.

Stainless steel hinges and padlocking hasp protect internal sampler on instruments.

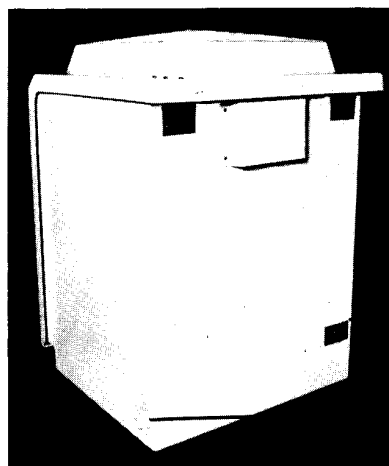
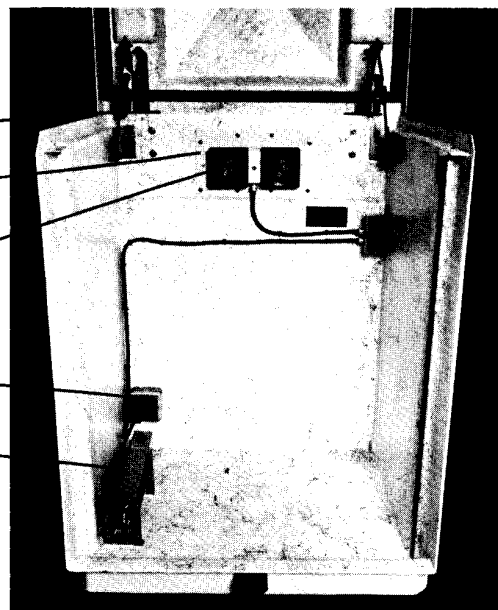
Counterpoise spring requires less than 5 lbs force to open door.

Screened vents provide air circulation and prevent access of rodents and insects.

Optional dual 100 cfm exhaust fans with cooling thermostat controller.

Optional 4-plex connection box for easy electrical hookup.

Optional 500 watt heater with integral thermostat.



### DESIGN FEATURES AND AVAILABLE OPTIONS

Back view of shelter showing hooded vent.

Optional external electrical connection.

Optional 3/4" thru-hull connector is visible at lower right corner of shelter.

Safety prop holds door up during gusts and strong winds.

Smooth surfaces make cleaning easy.

Insulation is recommended to protect against sample freezing or excess heat buildup in severe climates.

Sandwich construction protects insulation against damage.

### SAMPLE SPECIFICATION

A fiberglass (general purpose/insulated) shelter shall be furnished for housing the sampler. The shelter shall have a minimum inside dimension of 2'-9" wide x 2'-3" depth x 3'-10 1/2" height, and be of single piece construction including the integrally molded floor, to provide structural integrity and low maintenance. A hinged door consisting of a single piece molded top and front panel shall be of the same construction, and shall provide easy and complete access to all internal workings.

*(For Insulated Shelter Only)* The insulated shelter shall be constructed of 1" polyurethane foam that is totally encapsulated between 1/8" minimum fiberglass reinforced polyester skins.

A gull-wing type front lifting door with molded handles shall be hinged at the back with T-304 stainless steel strap hinges, and shall include two counterpoise springs for easy lifting. A T-304 stainless steel padlocking hasp shall provide for internal security. Two louvered vents with internal fiberglass screening shall be located at the lower front portion of the door to provide cooling air circulation during warm weather. The entire open perimeter of the door shall seat tightly against a closed cell neoprene weather seal.

A support bar shall be provided to hold the door open for easy front and top access while working within the shelter.

The shelter will comply with NEMA 3R standards. Shelter exterior color shall be (white/green/beige). The shelter shall conform with the latest product design of Plasti-Fab, Inc., P.O. Box 100, Tualatin, Oregon, or approved equal.

**INSTALLATION:** The shelter shall have a floor suitable for permanent bolt through anchorage.

### Available options include:

1. The back of the shelter shall be fitted with a flush mounted, male weatherproof grounding plug for use with any external 120 VAC, 60 Hz power supply.
2. 4-plex connection box shall be mounted inside the shelter for easy electrical hookup.
3. The shelter shall be supplied with two 100 cfm exhaust fans to assure adequate ventilation, and shall include a 120 VAC, 60 Hz cooling thermostat to help regulate and maintain internal temperature.
4. The shelter shall be supplied with a 120 VAC, 500 watt heater with integral thermostat.
5. *(For Insulated Shelters Only)* There shall be a side mounted 3/4" plastic drain hole to accommodate the sampler water tubes, or to provide water drainage in the event of any overflow within the shelter.

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