



Quick-Start Operating Guide

Document No. 1800-04

# Acrylic PureFlow™ Mobile Storage System

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Revised May 2002

*Your Comprehensive  
Equipment Source*





## Quick-Start Operating Guide

# High-Acrylic PureFlow™ Mobile Storage System

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### Safety Notice

A thorough familiarity with all operating guidelines is essential to safe operation of the product. Failure to observe safety precautions could result in poor performance, damage to the system or other property, or serious bodily injury or death.

The following symbols are intended to call your attention to two levels of hazard involved in operation:



CAUTION

Cautions are used when failure to observe instructions could result in significant damage to equipment.



WARNING

Warnings are used when failure to observe instructions or precautions could result in injury or death.

The information presented here is subject to change without notice.

## 1.0 Introduction

This manual provides information on installing and operating your Terra PureFlow™ Mobile Storage System.

By studying this document carefully, you can be assured of a long, efficient service life from the unit.

## 2.0 Description

The PureFlow™ Mobile Storage System is designed to provide a continuous vertical laminar flow of HEPA- or ULPA-filtered air during parts transport. Its open-cage design and clean construction ensures a particle-free environment that meets—and exceeds!—Class 10 particle requirements.

This compact, easy-to-maneuver PureFlow™ is made of rigid acrylic with stainless steel-reinforced doors. A continuous-duty 740 CFM impeller draws clean air downward through a stainless steel perforated shelf into a HEPA filter, which removes 99.99% of particles 0.3µm and larger. The onboard UPS (included) ensures continuous filtration when disconnected from AC power. Dimensions: 43.5"W x 30.5"D x 54"H (including hardware and 4" casters).

Cat. #

115VAC, 60Hz	3505-01
230VAC, 50Hz	3505-01-220
HEPA Filter (order separately)	1681-02

### Self-Recharging Power Packs

These units deliver power to the PureFlow filter/fan unit when AC power is disconnected, protecting sensitive materials against contaminants as they are transferred between processes.

They are activated the second the AC cord is unplugged. Flashing status lights and a warning alarm indicate that



**60 minute operation of 740 CFM blower**



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PureFlow is under Power Pack operation and serve as a reminder to re-connect AC power for recharging.

### PureFlow™ Power Packs

Type	Recommended	Operation
	Blower Rating*	115VAC, 60Hz 230VAC, 50Hz
Extended Operation UPS	740 CFM 60 min.	1529-76 1529-76-220

- Typical maximum operational time when used with the recommended blower.

For guideline on operation of the Extended Operation UPS, refer to the attached Owner's Manual for the SmartPro 700XL NET.



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## 3.0 Warranty

**Products Manufactured by Terra:** Terra Universal, Inc., warrants products that it manufactures to be free from defects for a period of 12 months for parts and 90 days for labor, commencing from the date of shipment. Terra's sole responsibility is to repair or replace, at its option, any part of the product that proves defective or malfunctioning during this time limit. In some cases, components incorporated in Terra Universal products are covered by additional warranties from component manufacturers; obtain specific information from Terra sales representatives. This warranty is void if the equipment is abused or modified by the customer, is operated outside Terra's operating instructions or specifications, or is used in any application other than that for which it is specified. This warranty does not include routine maintenance or service procedures, breakage of quartz baths after 60 days, shipping damage, nor damage from misuse, intentional or unintentional abuse, neglect, natural disasters, or acts of God.

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Generally, customers can improve the chance of collecting on a freight claim by following these procedures: 1) formally requesting that the carrier inspect the shipment immediately upon suspecting damage or shortage to verify condition; 2) notifying the carrier upon discovery of concealed damage and requesting an inspection within 15 days of receipt, both in person or phone and following up via mail; 3) keeping the shipment as intact as possible, including retaining original packaging materials and keeping the product as close to the original receiving location as possible; 4) holding salvage for disposition by the carrier.

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*Thank you for ordering from  
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