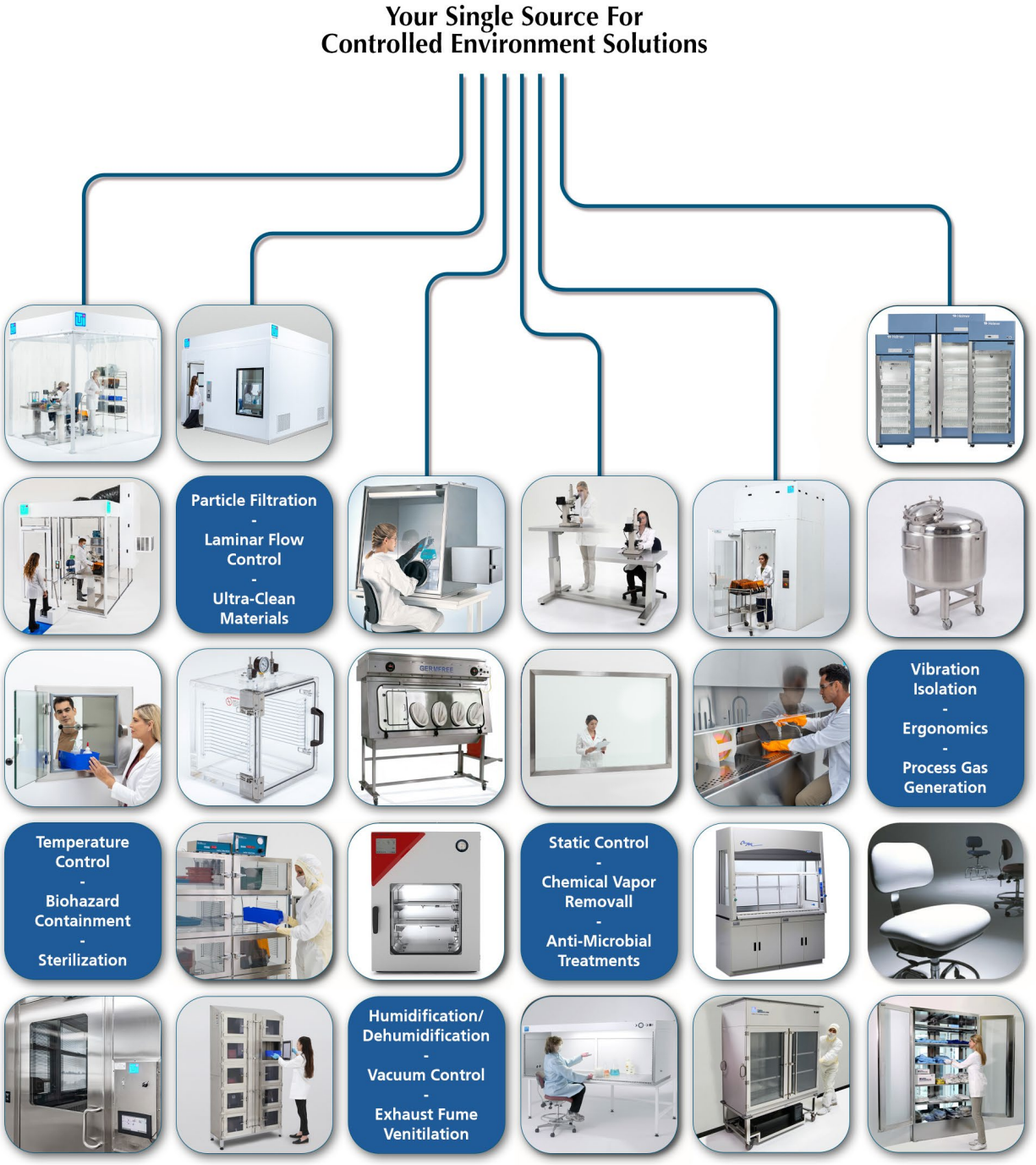
TERRA UNIVERSAL.COM
Critical Environment Solutions

Installation and Operating Guide *Document No. 1800-53*

Mobile Step Ladders & Platforms

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Terra Universal, Inc. • TerraUniversal.com • 800 S. Raymond Ave. • Fullerton, CA 92831 • TEL: (714) 578-6000 • FAX: (714) 578-6020

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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:

The information presented here is subject to change without notice.

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

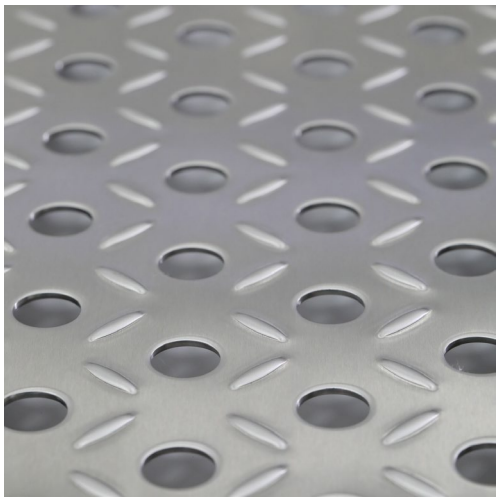
WARNING — **Warnings are used when failure to observe instructions or precautions could result in injury or death.**

1.0 Introduction

This manual provides information on operating your Terra Universal Mobile Step Ladder or Mobile Work Platform. For more information, please visit here for step ladders or here for work platforms.

2.0 Description

The Mobile Work Platforms and Mobile Step Ladders feature a 304 or 316 stainless steel construction, safety rails, and leveling feet with casters. Its construction is continuous, and is welded with sanitary-grade welds to minimize cracks and crevices where microbes can contaminate. These platforms and ladders are suited for life science applications, such as biomedical research or biomaterial production. Steps/Platforms have diamond tread plating to prevent slipping, and are perforated to support laminar air flow.



Diamond-plating and perforations

Mobile Work Platforms have an elongated top platform for ease of movement, while the Mobile Step Ladder does not. For the utmost safety of users, all Mobile Work Platforms have safety rails, while Mobile Step Ladders with configurations of 4 steps or more have safety rails. All safety rails are at an average height of a person's hip level (30"-34"). Mobile Step Ladders with 2-step configurations do not have a safety rail, and Mobile Step Ladders with 3-step configurations are available with and without a safety rail. To provide more stability for these step ladders, it is advised to configure the leveling feet to suction to the ground.

Both the Mobile Work Platform and Mobile Step Ladder have an official load capacity of **300 pounds** (OSHA Rating Type 1A). This is to aid with the weight of two people, specifically on a Mobile Work Platform, or for heavy loaded equipment. If necessary, Mobile Step Ladders can withstand more than 1,200 pounds.

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Mobile Work Platforms are available in 1 to 5-step configurations, while the Mobile Step Ladders are available in 2, 3, 4, 5, and 7-step configurations.

A design upgrade of a flip-up top step can be added to your Mobile Step Ladder or Mobile Work Platform to add more mobility for the top two steps.



BioSafe® 3-Step Mobile Step Ladder



BioSafe® 3-Step Mobile Work Platform

3.0 Operation

3.1 Before Use

Always inspect the unit before use to ensure that it is in good condition. Check for any defects on the legs, feet, casters, rails, and platforms. Check for grease, dirt or other contaminants that can cause a slip or fall, and check for paint or stickers (with the exception of warning or safety labels) that could **hide** possible defects.

WARNING

If your product has defects, do not use at all and contact a Terra product specialist for replacement. Never use a damaged step ladder or work platform.

WARNING

Users who have poor health or inflicted by age, drugs, or other handicaps should not use. This may lead to unprecedented serious injury or death.

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Ensure the Mobile Step Ladder or Mobile Work Platform is on an evenly level and stable surface. The unit must have at least more than half of the total points of contact with the ground for safe climbing. For example, if the ladder or platform has 4 feet, then there must be at least 3 points of contact with the ground. For products with 6 feet, at least 5 points of contact with the ground.

Some specific things to look out for in Mobile Step Ladders and Mobile Work Platforms:

- Bent or damaged tubes or rails
- Broken welds
- Loose feet or casters
- Rocking or wobbling when on level ground

Ensure that there are no contents in the way of ascending or descending the ladder or platform. This can include tools, accessories, appliances, or liquids.

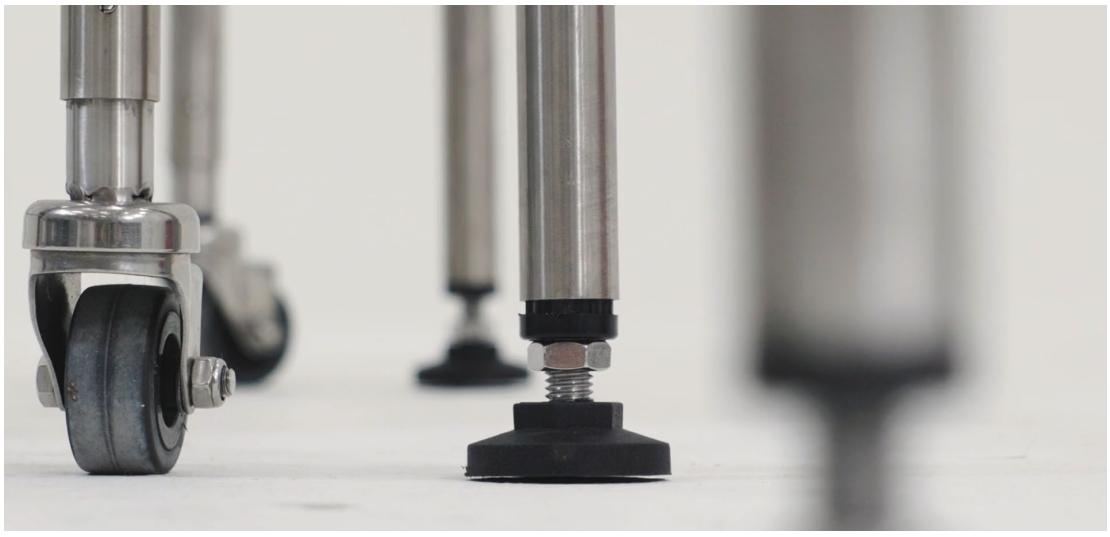
Do not use BioSafe® Mobile Step Ladders or Mobile Work Platforms near electrical equipment/work. All ladders and platforms are made of 304 or 316 stainless steel, and may conduct electricity when in contact with a live wire.

WARNING

Do not use near electrical equipment. Stainless steel may conduct electricity, and can cause a potentially fatal electric shock when touched.

For added grip, ensure the soles of users' shoes are in good condition. Ideal soles will have a rigid texture for tighter grip.

To properly level the levelling feet, wheel the Mobile Step Ladder or Mobile Work Platform in the desired place, and lightly screw or unscrew each foot until it suctions to the ground. Once complete, lightly shake the unit to test for significant wobbling. Note that even when not completely touching the ground, the added weight of a person mounting the unit will press the feet to the ground.



Levelling foot with 205 lbs of weight on Mobile Step Ladder

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3.2 During Use

If the Mobile Step Ladder or Mobile Work Platform has no defects or items in the way of ascending or descending, the product is ready for use.

When mounting taller ladders or platforms, maintain three-points of contact: either two hands and one foot, or two feet and one hand. Face the ladder or platform steps when ascending or descending. Use rails for stability.

To move the Mobile Step Ladder or Mobile Work Platform, dismount the unit and move it to the desired location. The unit should never be moved while a person is on it.

WARNING

Do not excessively lean off or reach away from the ladder. This may result in a fall that can lead to serious injuries or death.

WARNING

The unit should never be moved while a person is on it. This is a high-fall risk, and can result in serious injuries or death.

3.3 Electrical Safety

WARNING

Do not use around electrical equipment for risk of fatal static shock and discharge.

If the Mobile Step Ladder or Mobile Work Platform must be used around electrical equipment, it is recommended to purchase a grounding chain.



This is a 12-inch conductive chain that attaches to any part of the ladder or platform that provides ground connection against static discharge. However, in order for this product to be effective, a conductive flooring is required.

However, it is highly advised to opt for ladders or platforms made of different material for maximum safety. As a safety precaution, look overhead for power lines before mounting the ladder that may come in contact with the Mobile Step Ladder or Mobile Work Platform. If there are none, then the ladder or platform is clear to use.

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4.0 Maintenance

CAUTION

Take care when cleaning to avoid excessive spraying, particularly when using conductive liquids, which can damage the electronic connections and components. Cleaning should be accomplished through controlled application of cleaning agents or pre-dampened wipers.

NOTE

Always check material compatibility before selecting a cleaning agent.

4.1 Cleaning

Stainless steel should be cleaned with alcohol (or similar cleaning agent), used to dampen a non-shedding wiper.

In general, Terra Universal's Mobile Step Ladders and Mobile Work Platforms feature no user-serviceable parts and requires no maintenance aside from periodic cleaning. Operators are responsible for inspecting the general condition of the unit before each use. Any worn or damaged component should be thoroughly examined and a safety evaluation should be performed before placing the unit back into service.

Less critical environments (ISO 6 – 8 / Class 1000 – 100,000) generally tolerate more absorbent materials made of 100% cotton twill or cellulose.

Clean surfaces with clean, lukewarm water with or without a mild, non-abrasive detergent. In critical cleanroom applications, DI water may be required.

For thorough, repeatable results, avoid cleaning with a circular motion, which rubs dirt or grit into the surface. Using mild pressure, wipe in one direction, from top to bottom or side to side, in slightly overlapping stokes. Fold the wiper between strokes, and replace with a clean wiper often.

4.2 Casters, Springs, and Leveling Feet



Most Mobile Step Ladders and Mobile Work Platforms are equipped with polyurethane feet (blue) or nylon feet (black). In the event that these feet show wear and tear, contact a Terra product specialist for replacement. Wear and tear is noticed when the feet are not as stable, are chipped or unleveled, or have weakened structures.

Casters and springs also face wear and tear, and would need replacement. In the event of replacing, contact a Terra product specialist. All Mobile Step Ladder and Mobile Work Platform casters, springs, pin, and housing is sold in a set, offering a greater value for repair.

All Terra products can be customized to suit your application's needs. For different casters or leveling feet, speak with a Terra product specialist so he or she may aid in creating the perfect product.

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5.0 Specifications

BioSafe® Cleanroom Mobile Step Ladders (2805-PP-05)	
2805-83A	Diamond Plated, Non-Continuous Welded, 2 Steps, Ledge Only
2805-63A	Diamond Plated, Non-Continuous Welded, 2 Steps, Safety Rail
2805-84A	Diamond Plated, Non-Continuous Welded, 3 Steps, Ledge Only
2805-85A	Diamond Plated, Non-Continuous Welded, 3 Steps, Safety Rail
2805-86A	Diamond Plated, Non-Continuous Welded, 4 Steps, Safety Rail
2805-09A-316	Diamond Plated, Non-Continuous Welded, 5 Steps, Safety Rail
2805-87A	Diamond Plated, Non-Continuous Welded, 5 Steps, Safety Rail
2805-88A	Diamond Plated, Non-Continuous Welded, 5 Steps, Safety Rail
2805-10B-316	Diamond Plated, Non-Continuous Welded, 7 Steps, Safety Rail
2805-07-316	Non-Continuous Welded, 2 Steps, Ledge Only,
2805-07B-316	Round Tube, Fully Welded, 2 Steps, Ledge Only
2805-83B	Round Tube, Fully Welded, 2 Steps, Ledge Only
2805-63B	Round Tube, Fully Welded, 2 Steps, Safety Rail
2805-84B	Round Tube, Fully Welded, 3 Steps, Ledge Only
2805-85B	Round Tube, Fully Welded, 3 Steps, Safety Rail
2805-86B	Round Tube, Fully Welded, 4 Steps, Safety Rail
2805-87B	Round Tube, Fully Welded, 5 Steps, Safety Rail
2805-88B	Round Tube, Fully Welded, 5 Steps, Safety Rail
2805-09B-316	Round Tube, Fully Welded, 5 Steps, Safety Rail
2805-10C-316	Round Tube, Fully Welded, 7 Steps, Safety Rail

BioSafe® Cleanroom Mobile Work Platforms (2806-PP-06)	
2806-89	Non-Continuous Welded, 1 Step
2806-92	Non-Continuous Welded, 4 Steps
2806-88A	Diamond Plated, Non-Continuous Welded, 2 Steps
2806-91A	Diamond Plated, Non-Continuous Welded, 3 Steps
2806-94A	Diamond Plated, Non-Continuous Welded, 1 Step
2806-96A	Diamond Plated, Non-Continuous Welded, 3 Steps
2806-98A	Diamond Plated, Non-Continuous Welded, 5 Steps
2806-88B	Round Tube, 2 Steps
2806-94B	Round Tube, 1 Step
2806-89B	Round Tube, 1 Step
2806-91B	Round Tube, 3 Steps
2806-96B	Round Tube, 3 Steps
2806-98B	Round Tube, 5 Steps

Common Accessories	
2807-77	Caster Assembly (customized by size of ladder)
1540-51	Leveling Feet
2805-64	Grounding Chain
1540-04-2	Mounting Feet

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6.0 Warranty



Thank you for ordering from Terra Universal!