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Steiner 533HD-6X10

Steiner Protect-O-Screen HD Welding Screen User Manual

Model: 533HD-6X10

Introduction

The Steiner Protect-O-Screen HD is a robust and flexible welding screen designed to protect workers, materials, and equipment from the hazards associated with welding, such as sparks, spatter, and UV flash. Its modular design allows for versatile configurations to meet various workplace requirements.

This manual provides essential information for the proper assembly, operation, maintenance, and troubleshooting of your Steiner Protect-O-Screen HD welding screen.

Safety Information

Always adhere to general workplace safety guidelines when using the welding screen. While the screen provides protection, it is not a substitute for personal protective equipment (PPE).

- Ensure the screen is stable and properly assembled before use.
- Do not use the screen if any components are damaged.
- Keep the screen clean and free from obstructions.
- Position the screen to effectively block sparks and UV flash from reaching unprotected areas.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Handle with care and wash hands after handling.

Components

The Steiner Protect-O-Screen HD typically includes the following components:

- Heavy-duty 1" square steel tube crossbars
- Rugged 1-1/8" square steel tube corners and legs
- Flame Retardant (FR) Tinted Transparent Vinyl Curtain (Green, 14 Mil)
- Quick-Snap connection hardware
- 24" Sturdy platform legs

Setup and Assembly

The Protect-O-Screen HD features a Quick-Snap connection system for fast and tool-free assembly.

1. Unpack all components and verify against the components list.
2. Connect the square steel tube crossbars to the corner and leg sections using the Quick-Snap connections. Ensure all connections are secure and fully engaged. The sturdy square tube frame is designed to eliminate slipping and twisting.
3. Attach the flame retardant vinyl curtain to the assembled frame. Ensure the curtain is taut and securely fastened to all attachment points.
4. Position the 24" platform legs. These can be turned 90 degrees to prevent interference with adjoining screens if forming a multi-panel enclosure.
5. The screen can be used horizontally or vertically depending on your application needs.



Figure 1: Assembled Steiner Protect-O-Screen HD welding screen. This image shows the green vinyl curtain stretched across the black steel frame, with the stabilizing feet visible at the bottom.

Operating Instructions

The Steiner Protect-O-Screen HD is designed for passive protection in welding environments.

- **Placement:** Position the screen between the welding operation and any areas or personnel requiring protection from sparks, spatter, and UV flash.
- **Configuration:** Utilize the modular framing system to configure the screen as a single panel, multi-panel enclosure, or in-line divider as needed. Panels can be added, removed, replaced, or rearranged quickly.
- **Visibility:** The tinted transparent vinyl curtain allows for some visibility while providing protection. Ensure visibility is adequate for safe operation if viewing through the screen.

Maintenance

Regular maintenance will extend the life of your welding screen.

- **Cleaning:** Clean the vinyl curtain periodically with a mild soap and water solution. Avoid abrasive cleaners or solvents that could damage the material.
- **Inspection:** Regularly inspect the steel frame for any signs of damage, bending, or corrosion. Check the Quick-Snap connections to ensure they remain secure. Inspect the vinyl curtain for tears, holes, or excessive wear.
- **Storage:** When not in use, store the screen in a clean, dry environment away from direct sunlight and extreme temperatures to prevent material degradation.

Troubleshooting

This section addresses common issues you might encounter with your welding screen.

Problem	Possible Cause	Solution
Screen is unstable or wobbly.	Connections not fully engaged; uneven surface; legs not properly positioned.	Ensure all Quick-Snap connections are securely fastened. Place the screen on a flat, level surface. Adjust platform legs for optimal stability, turning them 90 degrees if necessary.
Vinyl curtain appears loose or sagging.	Curtain not properly attached; frame not fully assembled.	Re-check all curtain attachment points to the frame. Verify that the frame itself is fully assembled and rigid.
Difficulty assembling frame components.	Components misaligned; debris in connection points.	Ensure components are aligned correctly before attempting to snap them together. Check for and remove any debris from the Quick-Snap connection points.

Specifications

Attribute	Detail
Model Number	533HD-6X10
Size	6' x 10'
Color	Green
Material	FR Tinted Vinyl
Vinyl Thickness	14 Mil

Attribute	Detail
Frame Material	1" square 18-gauge steel (crossbars), 1-1/8" square steel (corners and legs)
Item Weight	27 pounds
Product Dimensions	72 x 8.5 x 2.5 inches (packaged)
Manufacturer	ERB (Steiner Industries)

Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your Steiner Protect-O-Screen HD welding screen, please refer to the documentation included with your product or visit the official Steiner Industries website. Contact information for customer service can typically be found there.

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