

# Technical Specifications - DiamondShield Series

Clear cover "HPL" configuration - Hinged, 2 lockable pull latches



## HPL Construction

<b>Material</b>	Hot compression molded fiberglass reinforced polyester (thermoset)
<b>Gasket</b>	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
<b>Recessed Screws</b>	No protruding surfaces
<b>Stainless Steel Hardware</b>	300 Series stainless used on all hardware
<b>Mounting Bosses</b>	Panel mounting capability for fixed rear panel
<b>Metal inserts</b>	All bosses utilize threaded brass inserts accepting 10-32 screws
<b>Soft Edge Design</b>	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
<b>Cover</b>	Clear polycarbonate with UV inhibitors

## HPL Industry Standards

<b>UL/cUL 50</b>	File E64358 Type 1, 3, 3s, 4X, 12, 13
<b>NEMA 250</b>	Type 1, 3, 3s, 4X, 12, 13
<b>CSA Std C22.2</b>	File LR069014 Type 1, 3, 3s, 4X, 12, 13
<b>IEC 60529</b>	IP66
<b>Temperature Range</b>	(-76°F to +274°F) (-60°C to +134°C)
<b>Flammability Rating</b>	UL94-5V
<b>Cover Temperature Range</b>	(-30°F to +248°F) (-34°C to +120°C)
<b>Cover Flammability</b>	UL94-V0
<b>Self Extinguishing</b>	Non-halogenated, Non-flame propagating
<b>Chemical Resistance</b>	Full chemical resistance charts listed in appendix
<b>NFPA No. 101 Flame Spread</b>	Class A (1)

## HPL Accessories

### Back Panels

<b>Aluminum</b>	BP__AL	pg. 149 - 150
<b>Fiberglass</b>	BP__FG	pg. 149 - 150
<b>Stainless Steel</b>	BP__SS	pg. 149 - 150
<b>Carbon Steel</b>	BP__CS	pg. 149 - 150

### Mounting Feet

<b>Mounting Feet</b>	pg. 39
----------------------	--------

### Accessories

<b>Drain &amp; Breather Vents</b>	pg. 144, 146
<b>Hole Plugs</b>	pg. 145
<b>Assorted Hubs and Cord Grips</b>	pg. 145, 148
<b>All Other Accessories</b>	pg. 144 - 159

## HPL Modifications

<b>Custom Colors</b>	pg. 12 - 13
<b>Silk Screening</b>	pg. 12 - 13
<b>EMI/RFI Shielding</b>	pg. 12 - 13
<b>Custom Window</b>	pg. 12 - 13
<b>Custom Cutouts/Holes</b>	pg. 12 - 13

## NOTES: