

RHINO Rack

What is it?

The RHINO Rack provides mains power distribution to the UV system's RHINO power modules and cooling fan, whilst protecting against atmospheric contaminants and transients on the mains supply.

Requiring front access only, it delivers a neat and practical solution to the system's electrical installation that is well suited to operation in confined spaces and is designed for ultimate reliability.

Specifications

A range of Rack solutions are available to suit the size of power supplies and the number of lamps in your UV system, as follows:

PSU Modules	2x 6-way	6-way	2-way
 <p>RHINO 9kW & RLT 8.4kW/16kW</p>			
 <p>RHINO 18kW</p>			
 <p>RHINO 27kW</p>			
PSU size			
9 kW RHINO	≤ 12 lamps	≤ 6 lamps	≤ 2 lamps
18 kW RHINO	≤ 6 lamps	≤ 3 lamps	1 lamp
27 kW RHINO	≤ 4 lamps	≤ 2 lamps	-
8.4 kW RLT	≤ 24 lamps	≤ 12 lamps	≤ 4 lamps
16 kW RLT	≤ 12 lamps	≤ 6 lamps	≤ 2 lamps
W x D x H (mm)	1265 x 820 x 2120	1265 x 820 x 1060	900 x 750 x 675*

*2-way is also available on 650mm legs; total height including legs is 1325mm

Electrical Connections

Each Rack requires a single mains drop which can be fed into the unit from either the top or bottom of the unit, even when stacked. The lamp cables exit at the bottom of the cabinet at the front or back. When stacked, the cables from the upper Rack pass through the lower Rack so that all cables exit from the same point.

Benefits of using the RHINO Rack

Extended Power Supply Life

The RHINO Rack enclosure provides a constant, clean supply of cooling air for each RHINO power module in isolation from the hot, dusty and dirty environment found behind most printing machines. Air is channelled to each power supply through a high capacity filter (1) combined with auxiliary fans (2) to deliver sufficient airflow even if the filter becomes clogged, ensuring long term reliability and consistent performance in even the most arduous of environments.



Enhanced Safety

The system's mains distribution and circuit breakers are accessed easily and safely by opening the front doors without needing to power off, as all live components remain behind a shield that is bolted closed (3).

Simplified Installation

Inside the RHINO Rack enclosure, a significant portion of the electrical installation is ready out-of-the-box, in compliance with all necessary CE and UL safety standards.

The unit is simply moved into position using a fork lift, pallet truck or hoist and the mains connected.

This is the easiest way for the customer to fulfil their responsibility of installing a UV system in compliance with the relevant local legislation.



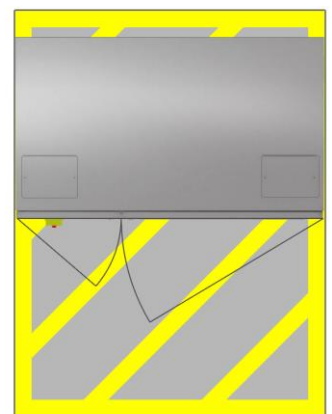
Lowest Maintenance

The filter panel (1) is the only part of the electrical installation requiring maintenance attention. It is quickly inspected or changed while the system is running with no need to stop production.

Compact Footprint

This design frees up the maximum amount of space behind the press.

- Small, stackable cabinet design
- Can be sited against a wall, in a corner or between other cabinets
- Requires front access only after installation.



1.18m x 1.54m = 1.80m²

12-lamp UV system's power supply footprint