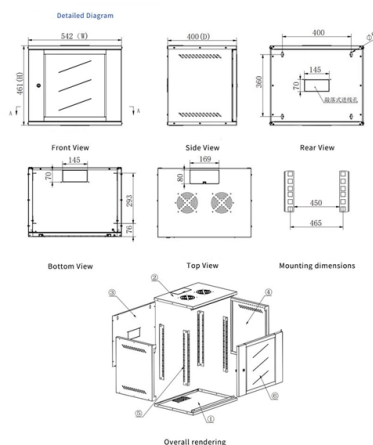


Distribution Box VLT



Overview

Power Distribution Box, Yellow/Black Power Distribution Box, U-Ground, 50 Amp, 125/250 Volt, 3 GFCI, Yellow/Black, Distributor tray | Equipment | Products.

Key Takeaways

A VLT distribution box can refer to either a Vapor Lift Distributor Tray in chemical reactors or a temporary electrical power distribution box, each designed for uniform distribution and efficient operation. Vapor Lift Distributor Tray (Industrial Application)

The Vapor Lift Distributor Tray (VLT) is used in chemical reactors to ensure uniform distribution of liquid and gas over the catalyst bed. Its design features a self-supportive structure that eliminates the need for support beams, reducing tray deflection and allowing higher catalyst loading for improved efficiency. The tray is modular, with match-marked modules for easy assembly and installation, and uses Quick-Release™ fasteners to simplify maintenance and manway access. It can handle large numbers of scales and particles without compromising gas and liquid transfer, and in high-particle environments, a Liquid Phase Scale Catcher is recommended. The VLT is known for its low sensitivity to process condition changes, making it reliable in industrial operations .

Temporary Electrical Power Distribution Box

In electrical applications, a VLT distribution box can refer to a temporary power box used on construction sites or events. For example, the VLT090T676 model includes:

- Six 20 Amp circuit breaker-protected outlets

- One 30 Amp 250V receptacle
- 50 Amp inlet and outlet recessed for safety
- NEMA 3R rating for outdoor use These boxes, also called Spider Boxes or Spyder Boxes, provide safe, portable power distribution and are designed for quick setup and protection against overloads .

Key Considerations

- Industrial VLT trays are critical for chemical process efficiency, ensuring even catalyst wetting and minimizing operational issues.
- Electrical VLT boxes are essential for temporary power distribution, offering safety, multiple outlets, and compliance with electrical standards.
- Selection depends on the application: chemical processing versus temporary electrical power needs. Both types of VLT distribution boxes share the principle of efficient, uniform distribution—whether of fluids in a reactor or electrical power to multiple circuits.

Article Content

Triaxial switchable junction boxes

Triaxial switchable junction boxes VLT series SPECIFICATIONS Triaxial sensor inputs
Output connector Material, user-selected

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

