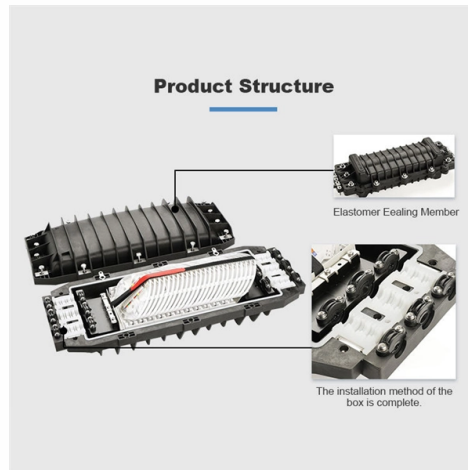


Custom-made electrical distribution boxes for soup processing plants



Overview

Custom Boxes and Solutions – Access Electric Supply Whether your project requires junction boxes (J-boxes) for cable bus systems, pull boxes, top hats, pane.

Key Takeaways

For soup processing plants, custom-made electrical distribution boxes should be food-grade, hygienic, and IP69K-rated to withstand high-pressure washdowns and chemical cleaning agents.

Key Considerations



Hygienic Design and Material: Soup processing plants require enclosures that resist corrosion, bacterial growth, and contamination. Stainless steel (AISI 304 or 316L) is commonly used for food-grade control boxes, providing durability and compliance with hygiene standards . Smooth surfaces, rounded edges, and minimal crevices are essential to prevent residue accumulation. **Ingress Protection (IP) Rating:** IP69K-rated enclosures are recommended for food processing environments. These boxes can withstand high-pressure, high-temperature water jets and aggressive chemical detergents, ensuring electrical safety during frequent washdowns . **Customization Options:** Manufacturers like SKKBO and Eabel offer tailor-made distribution boxes that can be configured for specific dimensions, internal layouts, and functional requirements. Options include single-phase or three-phase systems, integrated circuit breakers, fuses, bus bars, and specialized mounting for industrial machinery . Customization also allows for branding, color coding, and logo printing to match plant standards. **Certifications and Compliance:** Ensure the boxes have relevant certifications such as UL, CE, IP, IK, or IECEx for industrial and food processing safety . For hazardous areas or high-moisture environments, explosion-protected or ATEX-certified enclosures may be necessary. **Durability and Maintenance:** Food processing plants often operate in high-moisture, high-temperature, and chemically aggressive environments. Custom boxes should be designed for easy cleaning, minimal maintenance, and long-term reliability .

Recommended Manufacturers

- SKKBO: Offers fully customized distribution boxes for industrial and food processing applications, with options for stainless steel, injection molding, and rapid delivery .
- Eabel: Specializes in IP69K food-grade control boxes, designed for aggressive washdown environments and hygienic compliance .
- Atex Delvalle: Provides stainless steel, explosion-protected, and custom local control stations suitable for industrial food processing and hazardous areas .

Conclusion

For soup processing plants, the ideal custom electrical distribution box should combine hygienic stainless steel construction, IP69K protection, and tailored internal configurations to ensure safety, compliance, and operational efficiency. Working with specialized manufacturers allows for precise customization to meet plant-specific requirements, including load capacity, layout, and cleaning protocols.

Article Content

PowerBox Factory

PowerBox factory offers a vast range of PDUs, distro boxes, racks, panels, adapters, cable extensions and splitters to safely manage

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

