Price of Tunnel Air Compressor Distribution Box

Overview

Order online Kaishan tunnel air compressor with wheels, mobile diesel screw design for mining and rock drilling.

Key Takeaways

The price of a tunnel air compressor distribution box typically ranges from $50 to $500 or more, depending on size, material, and features.Overview

Tunnel air compressor distribution boxes, also known as compressed air junction boxes or pneumatic distribution boxes, are used to distribute compressed air safely and efficiently to multiple points in industrial or construction settings . They can be made from high-strength plastic, fiberglass-reinforced plastic, or metal, and may include quick-release couplings, threaded inserts, or multiple connection ports .

Factors Affecting Price
• Material and Durability: Boxes made from fiberglass-reinforced plastic or metal are more expensive than standard plastic units due to higher impact resistance and industrial-grade quality .

• Number of Connections: Two-way or three-way distributors are common, with more connections increasing the cost .

• Customization: Custom-designed systems for high-pressure applications or PLC-controlled panels can significantly increase the price, sometimes exceeding several thousand dollars for complex setups .

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• Supplier and Origin: European-made distributors (e.g., Germany) tend to be higher in price due to quality standards, while Chinese manufacturers may offer lower-cost options for standard plastic boxes .
Typical Price Range
• Basic plastic or small wall-mounted boxes: $50–$150

• Industrial-grade plastic or fiberglass-reinforced boxes with multiple ports: $150–$300

• Custom high-pressure or PLC-controlled distribution panels: $500–$2,000+ depending on complexity and specifications
Recommendations
• For standard tunnel applications, a durable plastic or fiberglass-reinforced box with 2–3 connections is usually sufficient.

• For high-pressure or permanent installations, consider stainless steel tubing and custom panels with safety valves and pressure gauges for reliability .

• Always check supplier catalogs such as Bauer Compressors, Steinconnector, or Monlone for technical specifications and quotes . By considering these factors, you can select a distribution box that balances cost, durability, and functionality for your tunnel air compressor system.

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