

Pipeline tray installation



Article Overview

Proper pipeline tray support installation ensures safe, stable, and efficient routing of pipes and conduits, with attention to load, spacing, and material compatibility.

Planning and Design Considerations

Before installation, carefully plan the layout of the pipeline trays, considering pipe sizes, weights, and future expansion. Supports must be designed to handle the working load, including the weight of pipes, insulation, and any additional loads from future modifications (). For industrial or outdoor environments, consider corrosion protection and UV resistance for materials such as galvanized or stainless steel ().

Support Types and Spacing

Pipeline trays are typically supported using brackets, hangers, or modular pipe racks. Pre-engineered modular pipe racks can simplify installation and reduce on-site fabrication time (). Support spacing depends on pipe diameter, material, and load; generally, heavier pipes require closer support intervals. Ensure that supports do not compress insulation or damage the pipe surface ().

Installation Procedure

- Mark and prepare support locations on walls, ceilings, or floors.
- Install brackets or modular supports securely, ensuring alignment and level positioning.
- Place the pipeline trays onto the supports, using hook-and-loop straps or clamps to secure pipes without compressing insulation ()....

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METHOD STATEMENT FOR CABLE TRAY INSTALLATION

3.4 Inspection and Test Plan/ Method Statement 3.4.1 SATIP-P-104-03 Cable Tray
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