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Clean Room Door

Clean room doors are essential components in environments where contamination control is paramount, such as pharmaceutical manufacturing, laboratories, and other regulated industries. These doors are designed to meet stringent standards like ISO, cGMP, and Annex 1, ensuring a contamination-free and controlled atmosphere. They provide airtight integrity, prevent pressure leaks, and facilitate seamless operations, making them vital for maintaining the highest quality in sensitive environments.

Key Features and Benefits of Clean Room Doors

- **Contamination Control:** Clean room doors are custom-engineered to tackle contamination risks by preserving airtight integrity and minimizing contamination points, ensuring the cleanest environments possible.
- **Pressure Leak Prevention:** Many doors feature advanced sealing systems, such as the Smart Seal™ System, which provides predictive capabilities to monitor seal wear, ensuring the door maintains proper pressure differentials.
- **Durability & Maintenance:** Constructed with robust materials like fiberglass and stainless steel, clean room doors are designed for easy cleaning and long-lasting performance. Features such as flush vision panels allow for easy cleaning and ensure a seamless, clean appearance.
- **High-Speed Operation:** Certain models, like the ISO-Clean Split, offer high-speed performance (up to 120 inches per second), enhancing productivity and zone separation while minimizing contamination risks.
- **Safety Features:** Doors often include safety mechanisms such as obstruction-sensing auto-reverse systems, LED lighting for visual alerts, and impact protection designs to ensure safe operation in high-traffic areas.
- **Compliance:** Clean room doors are FDA and cGMP compliant, making them suitable for pharmaceutical and other regulated industries that require the highest cleanliness and operational standards.
- **Wireless Interlocking:** Some models offer wireless interlocking systems, allowing easy integration with other doors for seamless operations without the hassle of hardwiring.

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