PRODUCT DATA SHEET

Star Valve

Overview

The RELCO® Star Valve is a rotary valve designed for pneumatic conveying and airlock applications in cheese curd processing systems. It provides controlled product transfer while maintaining pressure differentials between system components.

Product Capabilities

- Designed for pneumatic conveying of cheese curd
- Functions as an airlock in pressure and vacuum systems
- Available in multiple sizes to support varying production rates
- Supports integration into curd unloading and transport systems

Key Features

- Rotary valve design for continuous product discharge
- Removable vanes for cleaning and maintenance
- Quick-release endcaps for access
- FDA PTFE lip seals for shaft sealing
- Sanitary O-ring sealing at endcaps
- Direct drive configuration
- 316 stainless steel construction

Technical Specifications

Capacity by Size

- 10" valve: up to 14,000 lbs/hour
- 12" valve: up to 24,000 lbs/hour

Configuration

- Bottom discharge
- Blow-through configuration

Options & Utilities

- Sanitary swivel connections
- Integration with pneumatic conveying systems

Applications

- Curd transfer in pneumatic conveying systems
- Airlock between pressure zones
- Integration with curd unloading and transport systems

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