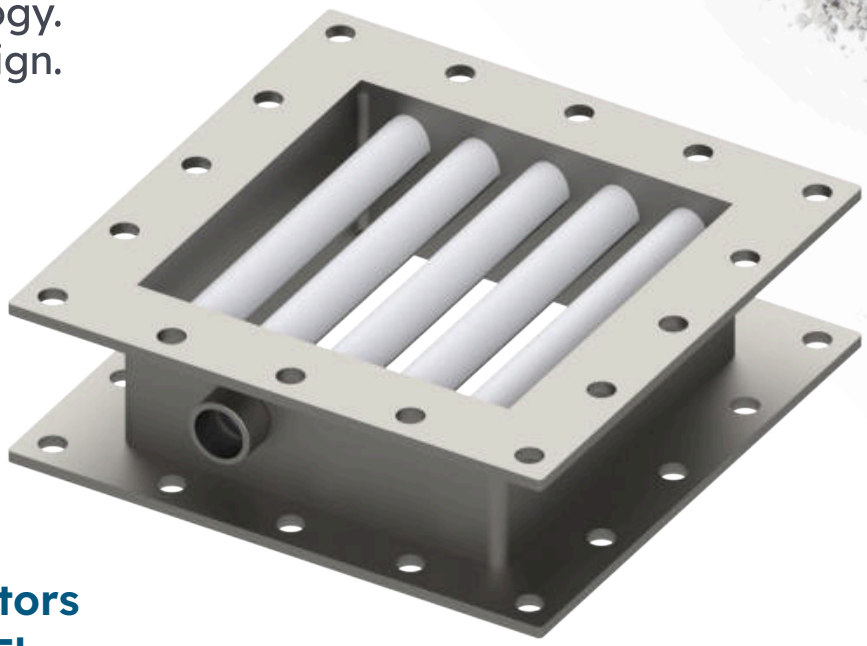
YOUNG® INDUSTRIES

Advanced Technology.
Proven Design.



SafetyFlow® Gratings

Designed to Protect Operators & Ensure Reliable Powder Flow

Handling fine, cohesive powders can present significant challenges, from operator safety concerns to material bridging. SafetyFlow® Grating from Young Industries provides the perfect solution, combining advanced TransFlow® Technology with a robust design to promote reliable powder flow while safeguarding operators during routine maintenance.

Learn more at younginds.com

Standard Features:

SafetyFlow® Grating enhances your system's safety and functionality, ensuring smooth powder discharge without compromising protection.

- **Custom Configurations:** Sizes range from 6 in. diameter flanged connections to 60 in. square inlets.
- **Operator Protection:** Closely spaced bars prevent accidental contact while working in the product flow area.
- **Built-In Flow Conditioning:** Bars lined with TransFlow® Technology to eliminate bridging and promote consistent material flow.
- **Flexible Installation Options:** Fabricated for integration into connections or bolted between flanges.

sales@younginds.com | younginds.com (800) 546-3165 | 16 Painter Street, Muncy, PA 17756

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SafetyFlow® Gratings

The SafetyFlow® Advantage

Problem: Ensuring powder flows reliably while protecting operators during maintenance.

Solution: SafetyFlow® Grating utilizes TransFlow® Technology to fluidize and condition powders, allowing them to flow freely around the grating bars. This advanced design prevents material bridging and maintains smooth operation in even the most challenging applications.

How It Works

- **TransFlow® Technology:** Compressed air or gas (3–15 PSIG) flows through the grating bars, conditioning the powder above.
- **Bridging Prevention:** The fluidized material flows smoothly around the bars, eliminating blockages and ensuring consistent discharge.
- **Operator Safety:** Closely spaced bars provide a physical barrier while maintaining optimal flow conditions.

Adjusting the air or gas supply allows you to precisely achieve the desired material flow.

Applications for the SafetyFlow® Grating

Designed to integrate seamlessly into your powder handling system, SafetyFlow® Grating is ideal for use in:

- Rotary Valve Inlets or Outlets
- Screw Conveyor or Flex Auger Inlets
- Bag Dump Station Grating
- Bulk Bag Access Hoppers

No matter the application, SafetyFlow® Grating is custom-manufactured to meet your specific requirements, ensuring the perfect fit and optimal performance.



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