Meyer Slide Gates, Plug Valves & Diverter Valves

are the ideal solution for your powder and bulk solids applications

Typical Materials
- Asphalt filter dust
- Barytes
- Bauxite
- Bentonite
- Catalysts
- Cement
- Clays (dried)
- Coal
- Coke dust
- Copper calcines
- Dolomite
- Feldspar
- Fluorspar
- Fly ash
- Gypsum
- Kaolin
- Lime
- Limestone
- Magnesite
- Magnetite
- Manganese dioxide
- Ore
- Phosphate rock
- Silica
- Talc and many more

Features:
- Heavy steel channel frame
- Oversize bearings
- Carbon steel construction
- Optional Stainless and AR steel construction
- High temperature designs

Meyer Slide Gates and Plug Valves are an ideal solution for positive shut-off of dry material bulk handling applications. All units are flanged for easy installation under dust collectors, hoppers, bins, silos and chutes. They allow the plant operator optimal control allowing simple material shut-off for valve maintenance and system operation.

Meyer Diverter Valves are an effective method for directing product flow to multiple destinations. They are the ideal solution for batch systems and multiple point operations.

All valves are available in electric, air and manual operation to meet the customer specific application.
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### Feature T Bar Maintenance Slide Gate

**Features:**
- Mild Steel, 304 SS, 316 SS, AR Steel Construction
- Low Profile
- Nickle Plated Shaft

**Industries Where Used:**
- Food
- Cement
- Asphalt
- Tobacco
- Chemical
- Power
- Plastic
- Mining

**Benefits:**
- Positive material shut-off
- Isolates in-line process equipment
- Dust tight inside to out
- Eases general maintenance

![Square Slide Gate Dimensions in Inches](image1)

![Round Slide Gate Dimensions in Inches](image2)

**Size Dimensions in Inches:**

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*Sizes: A: Drawbar Pull, B: Flange Width, C: Top Flange Width, D: Bottom Flange Width*

### Feature Dust Tight Slide Gate

**Features:**
- Heavy gauge mild steel construction
- Stainless steel slide strips for smooth operation
- Air cylinder & accessories
- NEMA 4 solenoid valve (Expl. Prf. optional)
- Air filter, regulator and lubricator
- Flow control valve
- Pressure gauge
- Self cleaning, cylindrical slide plate guides mounted beyond material flow path
- Complete piping, and wiring, pre-tested for installation-ready operation

**Industries Where Used:**
- Food
- Cement
- Asphalt
- Tobacco
- Chemical
- Power
- Plastic
- Mining

**Benefits:**
- Positive material shut off
- Isolates in-line process equipment
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![Round Slide Gate Dimensions in Inches](image1)

![Slide Gate Dimensions in Inches](image2)

**Size Dimensions in Inches:**

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**FULL FLOW Gravity Diverter Valve**

**FEATURES:**
- Heavy gauge mild steel construction
- Optional stainless and abrasion resistant steel
- Air actuated or manual operator
- Optional air operator controls
- Dust tight inside to outside

**INDUSTRIES WHERE USED:**
- Food
- Cement
- Asphalt
- Tobacco
- Chemical
- Power
- Plastic
- Mining

**BENEFITS:**
Unit is ideal for diverting flow when a critical seal between legs or cutting through material is not required

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**Dimensions in Inches**

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</table>

*Weights are approximate

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**Efficient design provides quick flow change for a wide range of applications**
Efficient design provides quick flow change for a wide range of applications.

**FEATURES:**
- Heavy gauge mild steel construction
- Optional stainless and abrasion resistant steel
- Air actuated or manual operator
- Optional air operator controls
- Dust tight inside to outside

**INDUSTRIES WHERE USED:**
- Food • Cement • Asphalt • Tobacco
- Chemical • Power • Plastic • Mining

**BENEFITS:**
Unit is ideal for diverting flow when a critical seal between legs or cutting through material is not required.

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**Dimensions in Inches**

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<th>SIZE</th>
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*Weights are approximate
For reliable gravity loadout of free flowing material, automatically or manually

The Meyer Rotary Plug Valve is an effective method of unloading dry free flowing bulk materials from silos or storage hoppers. It holds a special advantage over conventional gates where closing against a column of heavy material such as portland cement may pose a problem. The double-clam rotor slices through materials that can pack or agglomerate during storage, such as: gypsum, flyash, kaolin clay, salt, silica, bauxite, grain products and the like. Structural integrity, dependable dust free operation, and the ability to handle elevated temperatures; all make the Plug Valve ideal for severe service applications.

FEATURES:
- Seven standard sizes are available (4x4 through 16x16)
- Round or square flange configuration
- Available with manual hand lever, chain wheel or an automatic air actuator with position switchers
- Optional outboard bearing design with special shaft seals for extreme operating temperatures

CAST IRON Rotary Plug Valve

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CAST IRON Rotary Plug Valve

Square manual design shown. Consult factory for round flange dimensions and valve with air actuator

Typical Application

When the valve is closed, the double clam rotor seals against the product flow above and the system processes below. In the open position, a straight thru, unrestricted opening allows for a high rate of flow. Ideal as an isolation gate-valve or for unloading to belt/screw conveyors, air slides, transport trucks or open stockpiles.

Closed

Open

BIN TO LOAD TRUCKS

Typical Application
For reliable gravity loadout of free flowing material, automatically or manually

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CAST IRON Rotary Plug Valve

Dimensions in inches
In addition to Slide Gates, Plug and Diverter Valves, Meyer designs, engineers and manufactures a wide variety of other products designed specifically for bulk processing applications. Like our Slide Gates, Plug and Diverter Valves, these products are designed and built to withstand the rigors of demanding applications. The next time you are in the market to repair, replace or upgrade your process system components, give us a call. We manufacture all the key components for pneumatic conveying, process metering and dust control.

Since 1946, Wm W. Meyer & Sons has been delivering quick, conscientious service and superior craftsmanship on replacement parts to customers throughout the country. We understand the costs of downtime, and make it our highest priority to help you keep your plant running trouble free. Our on-site preventative maintenance programs, responsive repair services and quick-ship replacement parts capabilities help us deliver the extra value customers need in today’s competitive marketplace.

In addition to maintaining and repairing our own Rotary Airlock Valves, we also provide expert repair services on other manufacturers’ products.

WE OFFER REPAIR SERVICES ON THESE AND OTHER SYSTEM COMPONENTS:
- Rotary Airlocks
- Double-Flapgates
- Diverters
- Slide Gates
- Shredders
- Compressors
- Pumps
- Blowers

Many times, repairs can be done right on the spot to minimize production disruption and speed startup. However, when it is impractical to repair a unit on site, it will be shipped to our repair facility for immediate attention. It will be torn down, carefully inspected and restored to like-new condition, including a return to the original tolerances.

COMPREHENSIVE EVALUATION ON EVERY UNIT:
- Complete disassembly
- Inspection of each component
- Comparison to original manufacturers’ specs and tolerances
- Repair or replacement of worn or damaged component parts
- Genuine OEM Parts
- Re-assembly
- Final Testing
- Service Warranty

If your equipment is beyond repair or it is not economical to repair it, Meyer will give you the option of choosing between a new or re-manufactured piece of equipment from available stock.
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