



# PELLET VALVE

**The Meyer Pellet Valve is designed for plastic pellet conveying, unloading and feeding applications without shearing the product.**

No shearing of material is accomplished by using a side inlet with an "integral curved slide gate" to control flow of the material evenly across the open rotor pocket. The slide gate is manually adjustable (positioning dependent upon the angle of repose of the material being handled) permitting an even flow of pellets into each rotor pocket. The slide gate is sealed at the inlet with high grade packing material.

The inlet of the Pellet Valve includes a "V" type throat assisting the non-shearing of particles as each rotor blade closes past the inlet. The housing also incorporates provisions for a clean out port at the inlet and a housing vent connection when required by the application.

An outboard bearing with available gas purge connections in the packing area is standard.

Basic construction is all stainless steel housing, headplates, and rotor with round flange connections. Sizes 12x12, 14x14 and 16x16 matching Meyer rotary valve displacements. Chain driven with combination motor/reducer, base and guard.

Primary use is as a feeder/airlock for discharge from hoppers/bins, receivers and cyclones into a pneumatic conveying line. Example: Rail Car Unloading from rail site to process line receiver.

Size	Displacement
12x12	0.61CFR
14x14	1.08 CFR
16x16	1.55 CFR

Maximum Pressure Differential 25PSI, maximum pressure 15 PSI.

Maximum operating temperature 750°F, typically under 400°F.

## Industries Where Used

Plastics	Chemical
Food	Pharmaceutical



*14x14 Pellet Valve Round Flange, 316 Stainless Steel Construction Housing / Headplates/Rotor, 8 Vane Open End Bevelled Edge, Manually Adjustable Feed Gate*

## Features

- Offset of Side Inlet and Discharge
- Integral Adjustable Slide Gate
- "V" Type Inlet Throat
- Housing Vent Connection
- Clean Out Port
- Round Flange Connections

## Benefits

- Optimal Material Product Flow
- Material Feed Rate Control
- Minimizes Product Shearing and Degradation
- Permits Evacuation of Displacement Air
- Inspection of Inlet
- Direct Mounting to Hopper

**Wm. W. Meyer & Sons, Inc.**

8261 Elmwood Avenue - Skokie, IL 60077 - Phones: (800) 963-4458 - (847) 673-0312 - Fax: (847) 673-5564  
website: [www.wwmeyer.com](http://www.wwmeyer.com) - email: [sales@wwmeyer.com](mailto:sales@wwmeyer.com)