The Rotary Feeder Valve, MD

According to ACS Valves, its MD Series rotary feeder valves provide those involved in bulk material handling process engineering, production supervision and equipment maintenance a material metering valve that immediately contributes tangible operating efficiency advantages, and long-term production and maintenance savings. Other features of the MD Series include:

- The ability to reduce compressed air loss by up to 28 CFM/year (a savings of up to $3,600/year based on an industry annual, average cost of $1,200 per 10 CFM of compressed air) as a result of an optimized seal.
- An 8-vane rotary valve that ensures pressure sealing at the inlet and outlet flange.
- An outboard bearing design that removes the bearings from the path of damaging and contaminating materials, protects the bearings in high temperature applications to 750ºF, while easily managing application pressure differentials up to 15 PSIG.
- Housings, which are CNC-machined to precise tolerances to eliminate axial shaft movement, seal leakage and shortened bearing life, cast to ensure strength in the composition and solidification of the housing’s metallurgy.
- Construction from cast iron, or cast 304 or 316 stainless steel.
- 7 valve sizes — from 4 to 16 inches.
- Your selection from closed-end, metering, shallow-pocket, Teflon®-coated or adjustable-tip rotor configurations.

- Hard chrome, tungsten, and Teflon® interior surface coating options.
- Availability of a variable-frequency drive that modulates drive speed and reduces electricity consumption based on the fluctuating power requirements of the feeder valve system.

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