



Model EV Rotary Valve

For Handling Anode & Cathode Powders

Standard Features:

- ▼ TransFlow®-lined rotor for smooth material flow and easy release.
- ▼ Heavy-duty construction, built to withstand 15 PSIG internal and differential pressure, with high pressure designs available.
- ▼ Available in carbon steel or 300 series stainless steel.
- ▼ Standard design up to 250°F, with high temperature options available.
- ▼ Your choice of custom inlet and discharge flanges for easy integration.
- ▼ Outboard-mounted precision ball bearings for smooth operation and long life.
- ▼ Rotor shaft seal packing gland featuring four rings of PTFE impregnated Kevlar.
- ▼ Precision-machined housing and piloted end plates ensure tight internal clearances for optimal performance.



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Handling Cohesive Battery Materials With Ease

You deal with tough, cohesive battery materials every day. At Young Industries, we work to solve the toughest material handling challenges. That's why we engineered the Model EV Rotary Valve - a solution built for your industry, by pros who know what it takes to keep your line moving.

We combined our proven rotary valve design with TransFlow® fluidization technology to prevent sticking and ensure a consistent, reliable flow. No more material handling headaches with your anode and cathode battery recipes. Carbon black, graphite, nickel-based powders, lithium-based powders - the Model EV handles it all.

The large vertical inlet and discharge optimize material flow, while the rotor design minimizes air or gas leakage. The TransFlow®-lined rotor ensures your equipment can handle the most challenging materials without fail.

Optional Features:

- ▼ Controls for TransFlow® airflow.
- ▼ All stainless steel air control components.
- ▼ Motion speed switch.
- ▼ VFD inverter.
- ▼ Explosion-proof electrical components.
- ▼ Teflon lantern ring with shaft seal purge connection.
- ▼ High-pressure designs (up to 50 PSIG).
- ▼ High-temperature designs (up to 500°F).
- ▼ Roller chain drive with TEFC motor (explosion-proof optional).
- ▼ Special packing materials (graphite, PTFE, etc.).
- ▼ Direct venting.
- ▼ End plate purges.
- ▼ Beveled rotor tips and edges.
- ▼ End plate O-rings.
- ▼ Open or shrouded, with open or filled pockets.
- ▼ Custom interior and exterior finishes.

