

TOWNLEY

Engineering & Manufacturing Co., Inc.

VALVES

Valve Actuation Options

Valve actuation options for Townley Knife Gate Valves and Butterfly Valves

Townley valves can be actuated with a variety of mechanisms, including manual, electric, pneumatic and hydraulic. Before making choices, be sure to review the following mechanical, physical and hydraulic considerations.

Valve service: Slurry, corrosive, etc.

Motion frequency: Hourly, daily, monthly, etc.

Motion speed: Time to open

Motion required: Rotary or linear

Torque: To move blade or disk in service

Position control: Open/closed or variable

Default position: Open/closed

Service available: Air, hydraulic, electric

Remote capability: Wireless, actuation

Environment: Corrosive, mist, temperature

Physical limitations: Vertical, side-side

Manual override: Hand wheel, lever, switch

Safety: Mechanical lockout

Accessories: Limit switches, positioners

Preferences: Supplier experience

Spares: Common wear parts and delivery



Typical Valve Applications

For isolation, diversion or throttling in a variety of circuits, Townley valves and actuation options are an excellent choice for flow management of abrasive slurry.

- Power plant "bottom-ash"
- Phosphate matrix and tailings
- Metal mining
- Limestone slurry
- Sand and silica
- Coal prep
- Hydrotransport of oil sands



TOWNLEY

Townley Tough!

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