MÖLLER Rotary flow control valve / Rotary shut-off valve
Continuous control or shut-off of material flows

Product profile

- Rotary flow control valve with pneumatic or motor drive
- Continuous control of material throughput in aeroslide systems from 10 to 1000 m³/h
- On request with contaminant clearing hole or stroke limiter
- Rotary shut-off valve with pneumatic drive for quick shut-off, optionally with intermediate position
- Wear resistant by self-readjusting metal gasket
- Temperature resistant up to 200°C
- Fluidization fabric in housing bottom
- High operational reliability
- Easy to maintain. Replacement of wearing parts possible through large maintenance hole

Range of application
Rotary flow control valve and rotary shut-off valve are designed for use in all industrial areas in which powdery bulk materials are processed, conveyed, stored, distributed, weighed or metered. The rotary flow control valve is responsible for precise and continuous adjustment of the bulk material flow from bins and silos. The rotary shut-off valve is used where quick and reliable shut-off is necessary. The two valves are suitable for material flows from 10 to 1000 m³/h.

Technical design
The rotary flow control valve can shut off and adjust any desired bulk material flow between 10 and 100 % by means of a specially shaped metering section. Further turning of the rotary valve will provide a cleaning hole through which contaminant can easily flow out.

Due to its technical design the rotary shut-off valve is suitable for quick and reliable shut-off. On request any desired intermediate position can be adjusted via a special valve control system. Moreover, the maximum opening cross-section can be limited by a stroke limiter.

The housing bottom of each valve is equipped with a fluidization fabric to prevent tearing off or deceleration of the material flow. The sealing frame made of cast iron is flexibly attached to the housing and is continuously pressed against the rotary valve casing by self-readjusting spiral springs.

Economic efficiency
Adjustment of the frame to the surface of the rotary valve casing ensures optimum sealing with good antifriction properties. This helps to extend maintenance intervals and save repair costs.

If nevertheless replacement of sealing frame, rotary valve or fluidization fabric becomes necessary, replacement is possible without removal of the housing within short time. High-quality materials and drive systems from renowned manufacturers ensure high operational reliability and thus an efficient production process.
The table below provides the dimensions and weight for different sizes of the product B1 pneumatic drive for a rotary flow control valve, B2 motor drive for a rotary flow control valve, and B3 pneumatic drive for a shut-off valve.

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>D</th>
<th>F</th>
<th>J</th>
<th>Weight [kg]</th>
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<td>460</td>
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</table>

(B1) pneumatic drive for rotary flow control valve  
(B2) motor drive for rotary flow control valve  
(B3) pneumatic drive for shut-off valve