

Rotary Valve

Transport of bulk material and as air closure or fire deactivation placed downstream of a conveyor or removal system. Bulk material enters the downstream process, such as combustion/boiler.

Constructional features

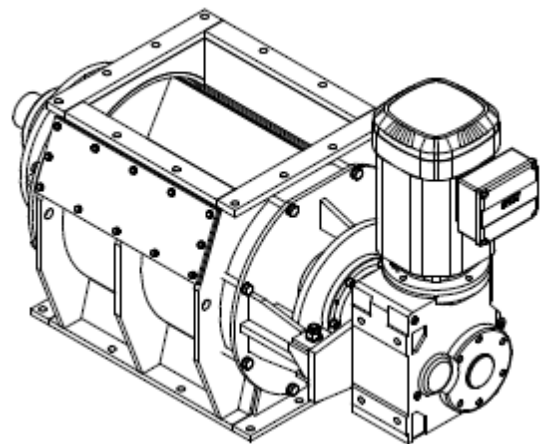
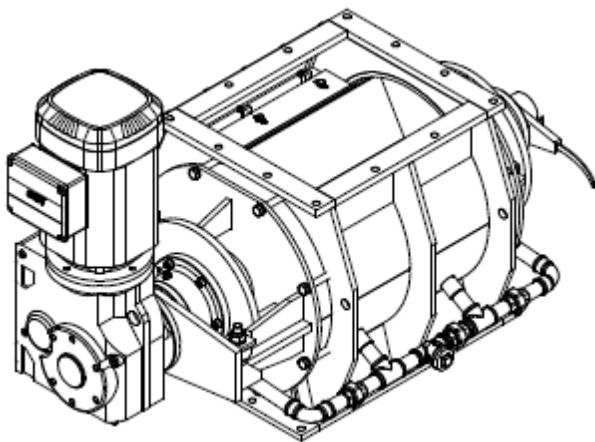
- Highly robust design
- Housing as a welded steel structure with wear-protected bore
- Optional: Housing with ceramic wear protection (T < 150 °C)
- Cell wheel or rotor chambers with rounded out chamber bottoms, hard-welded outer edges
- Wear-proof blade
- Offset flange bearings
- Stuffing gland seal with lubrication
- Rotary current ear motor as push-on direct drive incl. torque support with rubber buffers
- Torque monitoring
- Flushing or cooling air socket tubed to one connection, optionally with manual ball valve.

Areas of use

- Boiler/combustion input
- Fire separation/disconnection
- Biomass power plant

Customer benefits

- Long service life
- Low maintenance costs
- Low energy consumption
- Dust-tight to the outside, no influence on the environment and plant operation
- High cutting forces, not sensitive against oversizes
- Safe boiler system



Technical data

		MS500	MS630	MS800	MS1000
• Blade airlock type					
Rotor diameter	[mm]	500	630	800	1000
Rotor length	[mm]	550	700	900	1100
Revolutions	[rpm]	25	24	21	18
Conveyor output *)	[m³/h]	5080	150	250	
Drive output motor	[kW]	7.5	11	15	18.5

- Design
 - CE declaration of conformity
 - ATEX: Standard, no Ex-suitability / optional: Ex II 2 D
 - Housing material in standard steel S235, S355 or stainless steel 1.4301
 - Rotor in stainless steel 1.4301

*) Conveyor output (m³/h) at an assumed fill level of 30% (depending on bulk material)