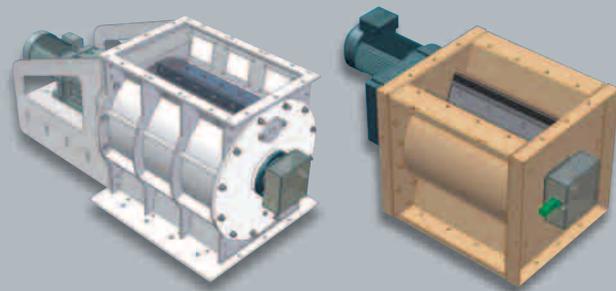


Rotary Valve



For applications in:

Wood Industry

Metal Industry

Cement, Building Industry

Quarries

Chemical Industry



ROTARY VALVE UNIVERSAL - ZUF

Flame proof

Intended use:

For fitting under filters, cyclones etc. for controlled transfer of materials into a conveyor or storage system located below.
For feeding through bulk materials, granulate, chippings, fibres, dust etc. in all industry branches.

Construction:

HOUSING: One-piece welded steel design (S235JRG2) - special materials possible in manufacture, machined interior and hard chrome plated. Optional side panel ventilation, upper and lower knife-blades, cleaner for rotor side panel and thermal design.

ROTOR: One-piece welded steel design (S235JRG2) - special materials possible in manufacture, with exchangeable sealing blades.

SIDE COVER: Steel (S235JRG2) - special materials possible in manufacture, welded.

TYPE OF BEARING: Maintenance-free bearings lubricated for life. Powered by a gear motor via a clutch.

Protective system: (only valid with Type Examination Certificate)

The rotary feeders type ZUF-Ex serve as explosion protection in systems and plant intended for use in potentially explosive and dusty environments. Explosion impact resistance, protection against ignition and flameproof characteristics guaranteed both in the direction of feed and against the direction of feed.

Inside zone: 20, 21, 22; Outside zone 21, 22.

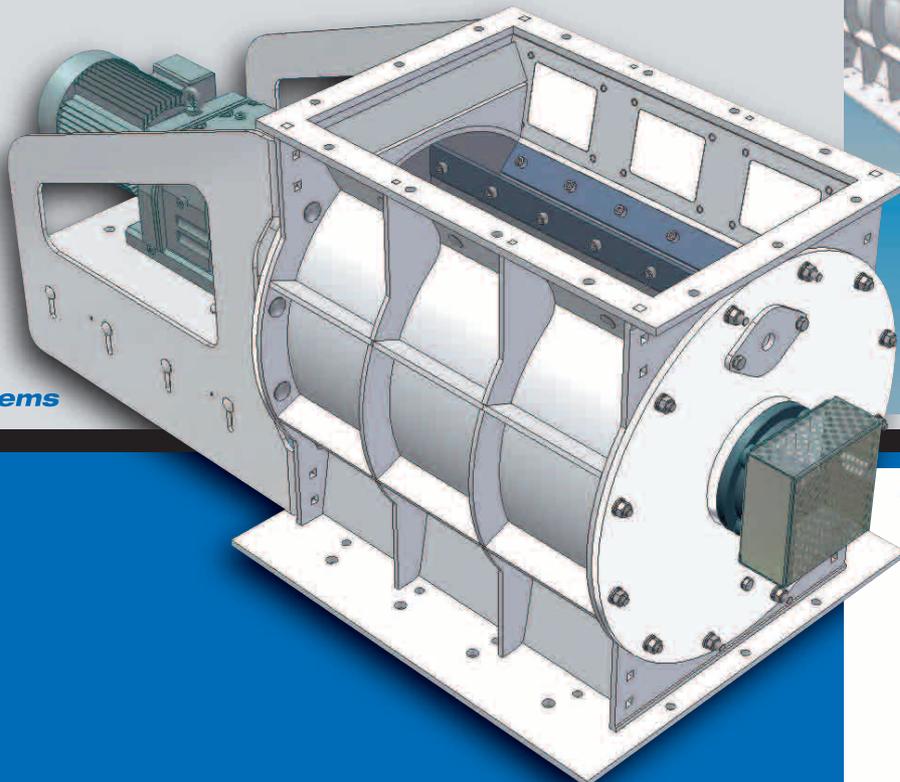
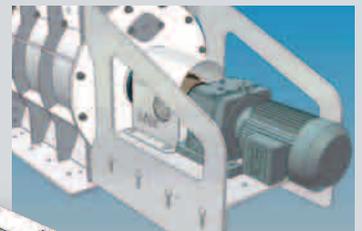
Application limits:

Inside zone 20, $K_{stmax} = 30 \text{ MPa m} = \text{St2}$, Explosion overpressure $P_{red \text{ max}} = 2.5 \text{ bar}$

Differential pressure $\Delta p_{max.} = 600 \text{ mbar}$

Throughput of 25 to 1250 m^3/h when 100% full (from 25 to 350 m^3/h with Type Examination Certificate)

Rotor diameter up to 1250 mm (from 315 to 630 mm with Type Examination Certificate)



Protective system





ROTARY VALVE LIGHT - ZLF

Flame proof

Intended use:

For fitting under filters, cyclones etc. for controlled transfer of materials into a conveyor or storage system located below.
For feeding through granulate, chippings, fibres etc. in all industry branches.

Construction:

HOUSING: Steel plate (S235JRG2) - special materials possible in manufacture, not machined inside.

ROTOR: Steel plate (S235JRG2) - special materials possible in manufacture, with exchangeable rubber sealing strips.

Optional special sealing lips and thermal design.

SIDE COVER: Steel plate (S235JRG2) - special materials possible in manufacture.

TYPE OF BEARING: Maintenance-free bearings lubricated for life. It is powered by a gear motor located immediately on the rotor shaft.

Protective system: (only valid with Type Examination Certificate)

The rotary feeders type ZLF-Ex serve as explosion protection in systems and plant intended for use in potentially explosive and dusty environments. Explosion impact resistance, protection against ignition and flameproof characteristics guaranteed both in the direction of feed and against the direction of feed.

Inside zone: 20, 21, 22; Outside zone 21, 22.

Application limits:

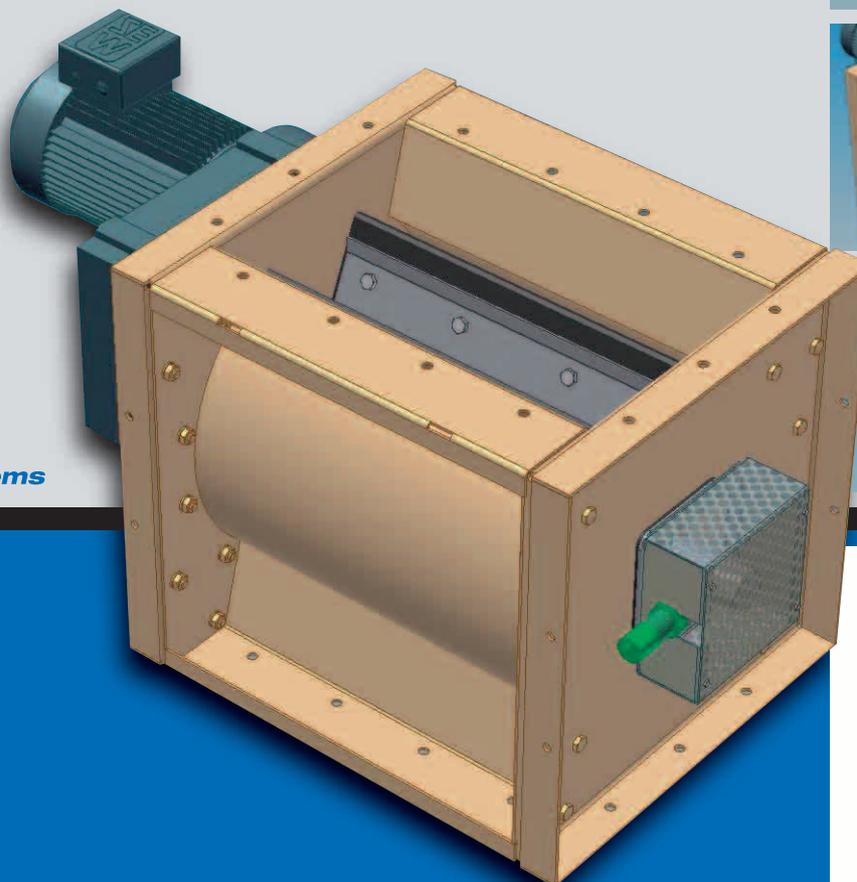
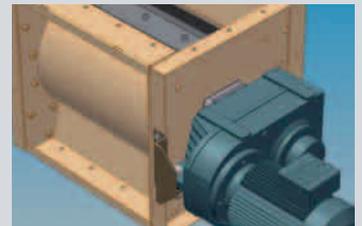
Inside zone 20, $K_{stmax} = 20 \text{ MPa m} = \text{St1}$, Explosion overpressure $P_{red \text{ max}} = 1.4 \text{ bar}$

Differential pressure $\Delta p_{max.} = 70 \text{ mbar}$

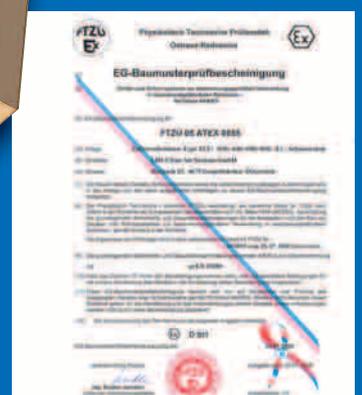
Throughput of 25 to 8600 m^3/h when 100% full (from 25 to 350 m^3/h with

Type Examination Certificate)

Rotor diameter up to 2,000 mm (from 315 to 630 mm with Type Examination Certificate)



Protective system





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