

ROTARY VALVES



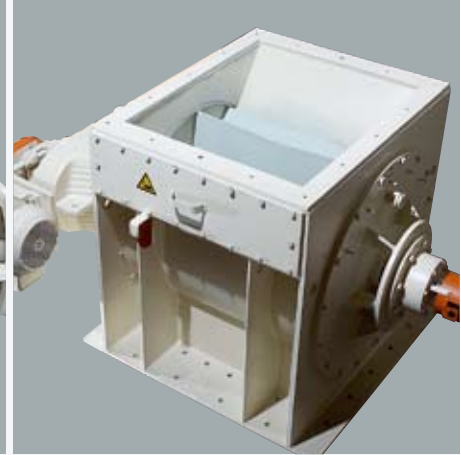
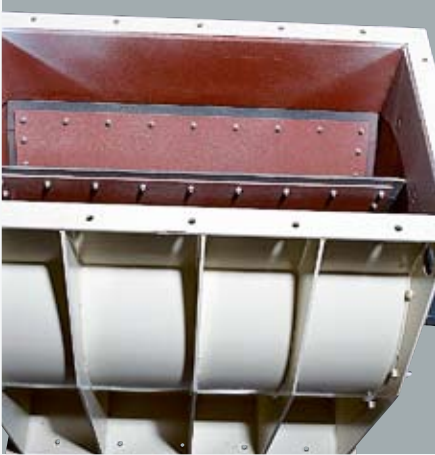
Rotary valves are used to separate areas of a system under different pressure. e.g. separation from the atmosphere. They are always needed wherever material has to be 'fed' from one part of a system (e.g. tube/ cartridge filter) to another part (e.g. pneumatic conveying system) or 'expelled' into the open air. During this procedure, various parameters must be taken into consideration, including the composition of the material, the pressure conditions and not least of all safety matters such as fire and explosion protection. Rotary valves manufactured by **ceATec** can also be used as prototype-tested protection systems (ignition- and flame resistant) for explosion decoupling purposes.



Rotary valve type ZRL:

- Application area: dust, shavings and fibres
- Screwed construction with elastic sealing lips
- Material throughput ranging from 52 m³/h to 459 m³/h with a filling degree of 100%
- Temperature range up to 90°C
- Pressure resistance up to 6,000 Pa

ATEX: all **ceATec** rotary valves have been tested and certified to comply with EC Machinery Directive 94/9/EC.



Rotary valve type ZRLS:

- Application area: dust, shavings and fibres
- Welded construction with elastic sealing lips
- Material throughput ranging from 651 m³/h to 8,750 m³/h with a filling degree of 100%
- Temperature range up to 90°C
- Pressure resistance up to 6,000 Pa

ATEX: the **ceATec** rotary valve type ZRLS has been tested and certified for rotor diameters of up to 1,600 mm and throughput rates of up to 6,000 m³/h in order to comply with EC Machinery Directive 94/9/EC.

Rotary valve type ZRS:

- Application area: dust with hard and soft grains and thin shavings
- Heavy, welded construction, mechanically processed housing bore and if required, hard-chromium plated, rotor with welded hard metal plating
- Material throughput ranging from 38 m³/h to 426 m³/h with a filling degree of 100%
- Temperature range up to 90°C (higher temperatures available upon request)
- Pressure resistance up to 800 mbar

ATEX: **ceATec** rotary valves type ZRS have been tested and certified to comply with EC Machinery Directive 94/9/EC.

Knife rotary valve type MS:

- Application area: wood dust, large-volume shavings and wood chips
- Heavy, welded construction, mechanically processed housing bore and if required, hard-chromium plated, V-rotor with welded hard metal edge, upper and lower knives made from tool steel.
- Material throughput ranging from 146 m³/h to 2,052 m³/h with a filling degree of 100%
- Temperature range up to 90°C (higher temperatures available upon request)
- Pressure resistance up to 1,000 mbar

ATEX: **ceATec** knife rotary valves type MS have been tested and certified to comply with EC Machinery Directive 94/9/EC.

