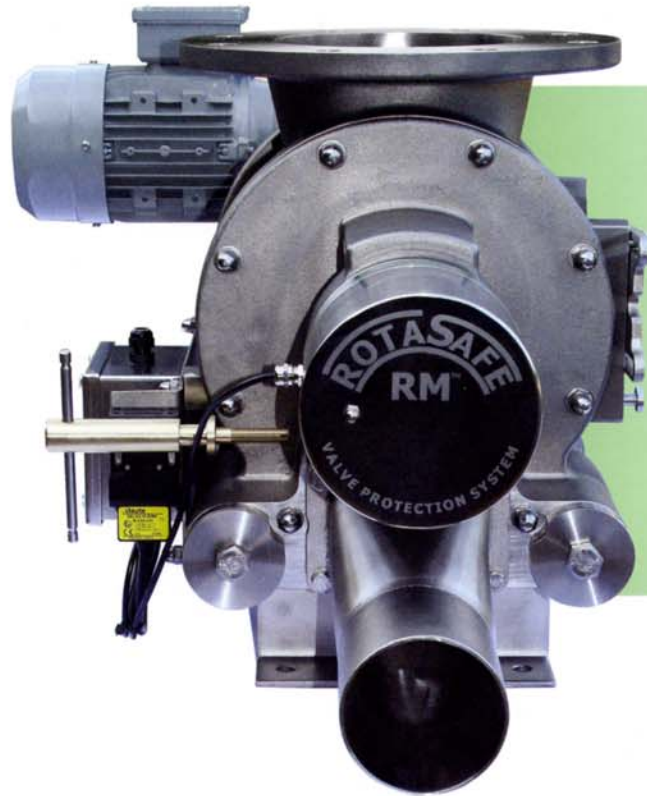


# ROTAVAL

Keeping the World's Industries Solidly in control



ATEX compliant

## ROTA SAFE RM

Rotor Protection System



## Rotor Protection System

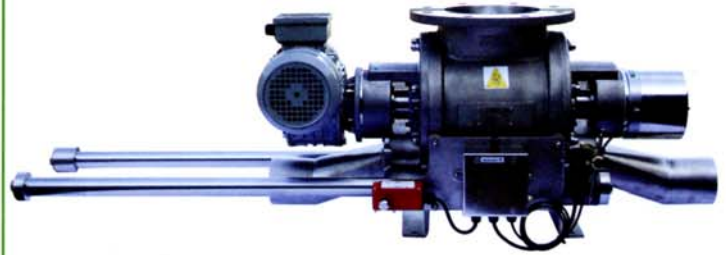
The Rotor Protection System is designed to instantly detect any contact between the rotor and valve housing while at the same time isolate power to the drive motor. It will be primarily of interest to customers where product contamination is a significant issue.

Contact between the rotor and valve housing can result from:

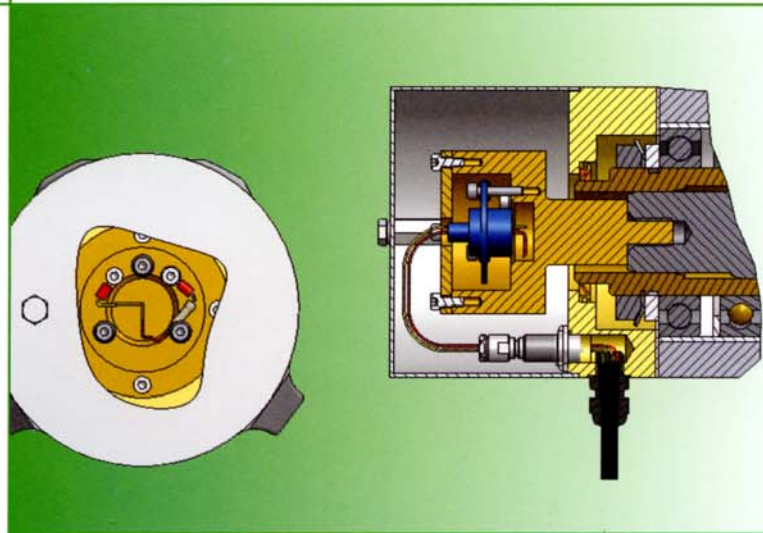
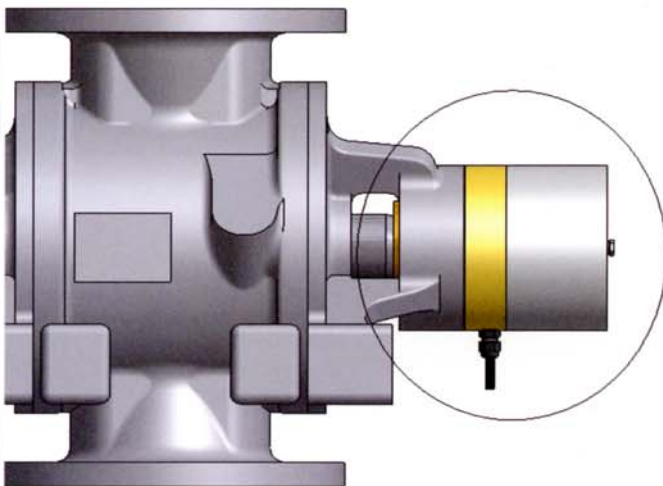
- Excessive load on the Rotor causing deflection.
- Product build-up (glazing) causing rotor shift.
- Ingress of 'tramp' material in the working clearances.
- Bearing failure
- Excessive temperature.
- Incorrect assembly / maintenance
- Lack of maintenance

### The benefits

- Prevents valve material shedding into and therefore contaminating the product being handled.



- Protects valve components from serious damage.
- Prevents Valve start-up if assembled incorrectly.
- Prevents damage to ATEX Autonomous Protection valves, which can lead to invalidation of ATEX certification
- The detection circuit is Intrinsically Safe and ATEX Certified for Zones 20/21/22 (Control Module must be mounted in a Safe Area)
- The Control panel is programmed to eliminate 'nuisance tripping' from circuit detection due to partial conductivity through wash-down fluids or through the product being handled.
- Control Module is available for panel mounting or in stand-alone Panels for one or multiple valve installations.
- Signals indicate:- Contact Detection – Power on / off – Detection circuit failure
- Suitable for retrofitting to existing Rotary valves.



# ROTAVAL

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