

K-MASS[®] DB

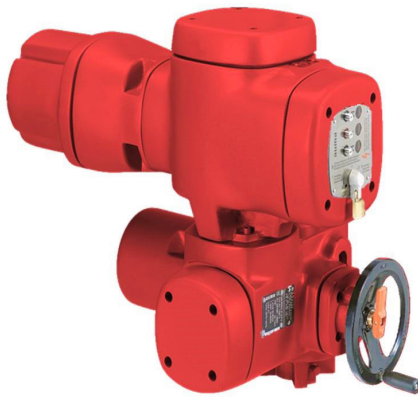
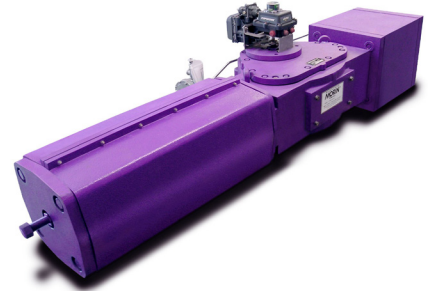
Factory Installed, Directly Bonded K-MASS[®] Fireproofing



- Factory Applied **K-MASS** Intumescent Epoxy - Directly Bonded to the Actuator
- Specifically designed for Critical Process Control Equipment
- No opportunity for fireproofing to be left off during maintenance
- Maintains actuator manufacturers ATEX certification
- Eliminates Corrosion under Insulation
- Lasts the lifetime of the equipment
- Controls remain accessible

K-MASS DB Advantages

- Designed and developed by Thermal Designs for CPCE pasive fire protection which has lower critical failure temperatures compared to structural steel.
- Extensively tested on operational equipment from multiple manufacturers and complied with UL1709 fire test curve.
- No on site fitting required eliminating additional transport and fitting costs.
- Approved for use by the majority of actuator manufacturers.
- Specified by asset owners and engineering companies.



- Compatible with SIL 3 actuators.
- Impossible to be left off during equipment maintenance.
- Because it is an epoxy product directly bonded to the equipment, it adds an extra layer of corrosion protection.
- Does not promote CUI.
- Full access to equipment with no special tools required.
- Being directly bonded, there no is space to retain spills between the equipment and fire protection.
- Chemicals have little or no effect on **K-MASS**.
- Does not affect the flame paths on explosion proof actuators and the equipment initial ATEX approval is maintained.
- Will last the life of the actuator if the paint is properly maintained.

- Typically applied to new equipment.
- Prior to a fire event, it does not act as an insulator and does not affect motor sizing (electrical rating).
- Maintains full ATEX compliance.
- No need to open door to access controls in most applications. Smallest footprint of any fire protection on the market.
- People-proof fireproofing because it cannot be removed or left off during equipment maintenance.
- Thermal Designs proprietary formulation of intumescent epoxy.
- The preferred method of protection is molded on **K-MASS** coating applied using Thermal Designs unique injection molding process.
- This is not hand applied or sprayed on fireproofing that may lead to unacceptable variations in material thickness.
- Our molding process precisely controls the thickness and shape of the coating bonded to the outer surface of each component.



- People proof design always available for service.
- Low K value of **K-MASS** in virgin state dissipates heat.
- Negligible space required.
- Low weight.
- High corrosion resistance.
- Easily accessible for operation or maintenance.
- Best expected working life.
- Proven and verifiable performance.