



Case Study

Not Too Hot To Handle!



Withstanding the heat

Working in collaboration, creating tailored solutions, engineering to improve efficiency.

- **The Application:**

- A regular client based in Europe was constructing a new facility to process ash from an incinerator.
- The ash would be discharged at around 450°C
- An airlock was required to prevent air loss through the system which can lead to difficulties processing the ash

- **The requirement:**

- A valve that would be capable of handling an abrasive product at elevated temperatures whilst maintaining an effective airlock

- **The solution:**

- Our range of rotary valves are built to withstand high operating temperature and abrasive products
- A 300mm valve was chosen and fitted with high temperature bearings, packing and protective heat-shields for the gear-motor drive
- Our own Rotospeed speed monitoring unit was installed on an extended mounting to monitor the valve speed and to alert the operator should the valve speed fall below a pre-set level
- Abrasive resistant steel rotor tips were installed to cope with the abrasive product

- **The result:**

- The valve has been working perfectly since it was installed, with the elevated temperatures not an issue

