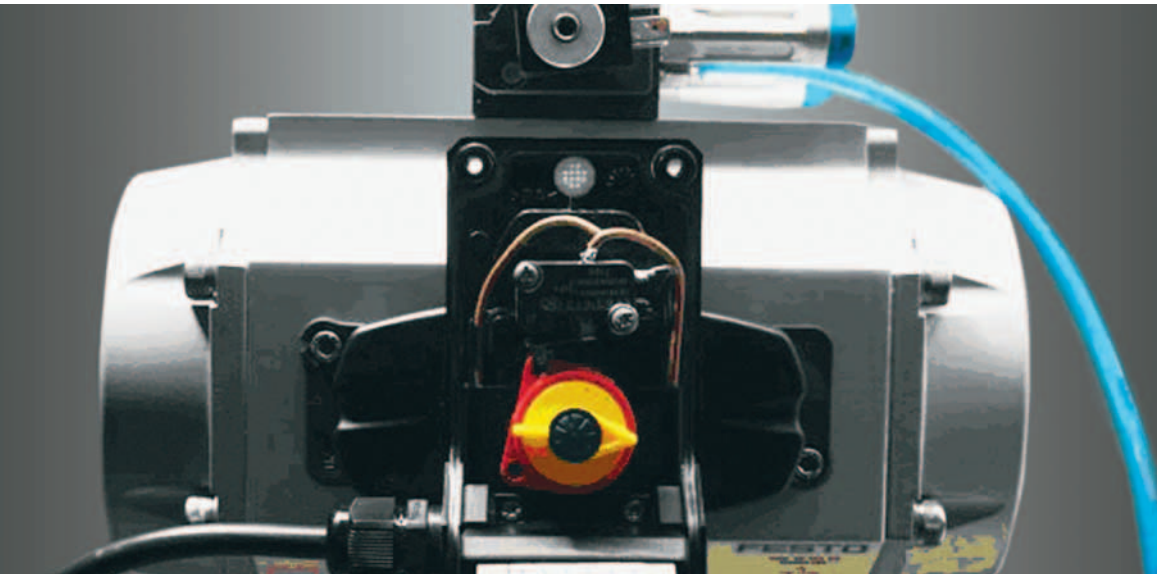


Tailor-made solution for moving heavy flaps during aluminium production

FESTO



Water/Wastewater

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Pulp & Paper

Energy

Mining

Customer information

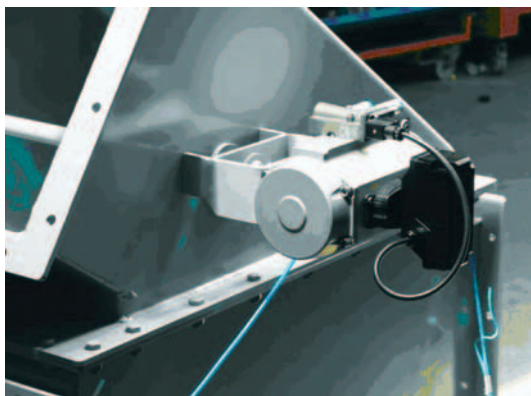
The company SOLIOS is one of the main suppliers of air filtration systems to aluminium production plants. Festo was involved at a very early stage in the engineering to design and propose a global solution for driving a new generation of phosphor booster traps.

Task

- Construction of a special double acting pneumatic actuator with a rotation angle of 98° suitable for opening and closing the heavy trap
- Safety position of the trap
- Sensor box has to be UV resistant proof and resistant against magnetic fields
- Speed control in both rotation directions

Solution

- Delivery of 340 DRD-26-F07 actuators without end position adjustment and special construction to obtain the turning angle of 98°
- Actuator equipped with Namur valve as the traps are mounted at some distance
- Sensor box made of black Vestamid to be UV proof
- Coil of Namur valve is directly connected to sensorbox so that electrical wiring has only to be done once
- Usage of flow regulators with silencers to adjust the rotation speed



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