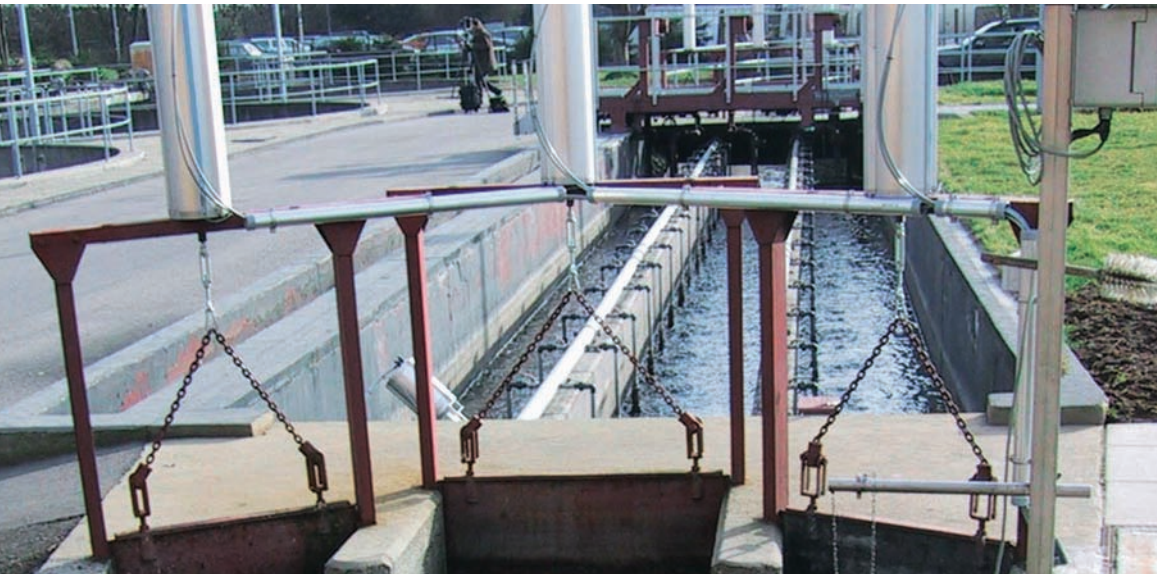


Sewage treatment plant: Reliable water inlet in the grit chamber

FESTO



Customer information

The sewage treatment plant Plochingen in Germany cleans the waste water of approximately 70,000 inhabitants. For the automation of the inlet penstock in the grit chamber the operator trusts in the reliable linear actuator Copac of Festo.

Task

- Control of penstock valve for the consistent running-in of water into the grit chamber
- Control of the oxygen supply for the ventilation of the grit chambers
- Replacement of electrical actuators without additional mounting costs
- Reduced maintenance of actuators

Solution

- Application of linear actuator Copac without additional assembly accessories
- Significant optimisation of the plant because maintenance not longer necessary
- Reduction of installation space due to abolition of gear, electrical actuator motor and clamp box
- Simple regulation of actuator velocity by exhaust flow control
- Safe control due to directly mounted proximity switches at the actuator



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