

# Partner to the Process Industry

## Sewage treatment plant

# FESTO



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### Customer information

The plant in Korsoer, Denmark treats the waste water from approx. 21,000 citizens and has a plant capacity of 40,000 PE. For separation of the air tanks and anaerobe tanks the plant chose a pneumatic solution with linear actuators and a ready to mount control cabinet from Festo.

### Task

- Automation of a process in a sewage treatment plant in Korsoer Denmark
- Control of 4 penstock valves from a Dutch supplier called KWT.

### Solution

- Delivery of 4 linear actuators DLP-80-435
- Simple speed control using GRLA throttles
- Reliable control due to use of SMT-8 sensors directly mounted at the actuator
- Distribution of compressed air via resistant plastic tubes PQ/CQ and PLN-8
- Ensuring excellent dry air quality by installing a complete air preparation system.
- Control cabinet in stainless steel with MVH valves and SDE1 sensor
- Heating element in control cabinet so as to ensure efficient functioning during summer and winter.



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