

Stormwater tank Schlossgasse, City of Wädenswil (CH)

## 10 years operation of the pneumatic outflow control

In 2010, four stormwater tanks in Wädenswil on Lake Zurich were equipped with MID-controlled PNA pneumatic discharge controls. This system was chosen at that time because it could be easily retrofitted in the old tanks, requires little space and allows the throttle volume to be changed at any time. In addition, a complete throttle shaft from STEBATEC was installed in the rainwater reservoir Schlossgasse, which has an untypical geometry due to its location between the railway track and the rainwater reservoir.



Figure 1-3 Throttle shaft with PNA integrated in the confined space.

«It's great that the Stebatec staff can access the control system from Brügg and support me, should a problem arise. » says Fritz Seewer, Project Manager Civil Engineering City of Wädenswil.

### Trouble-free despite conditions in the sewer

The staff of the town of Wädenswil is pleased with the trouble-free operation during all these years. The PNA's are robust and are a safe bet in sewer network operation - despite direct contact with heavily polluted wastewater. The systems are cleaned twice a year by the staff, the rest of the time the systems work reliably even uncleaned and independently free themselves from the worst dirt and deposits.

In the past 10 years, STEBATEC has developed some advanced extensions such as remote maintenance, web interface and a comprehensive remote control, which the staff does not want to do without anymore. Due to the age of the control system and to be able to take advantage of the new possibilities offered by the latest generation of control systems, the city of Wädenswil has decided to use the latest generation of control systems in the Schlossgasse storm water basin, which could be trouble-free connected to the old measurement and control system.



*Figure 2; Fritz Seewer, Project Manager Civil Engineering Office of the City of Wädenswil in front of the latest control of one of his MID-controlled PNA flow controllers.*