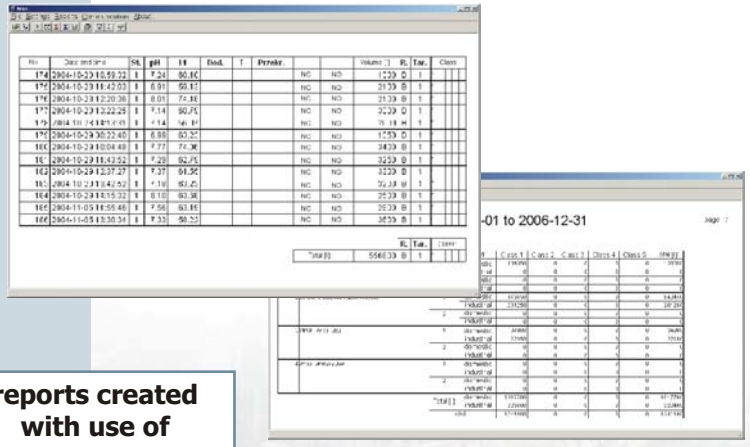
Waste water reception stations

FEKO MANUAL
in building

Maintenance free stations for controlled sewage reception from waste removal cars

FEATURES

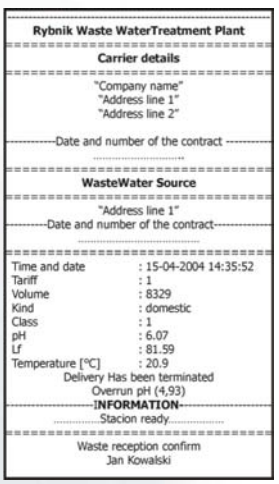
- throughput: about 100 m^3/h
- controlled sewage reception (reception only from authorized waste water carriers)
- reception data recording (carrier identification, sewage discharge date and time, sewage volume and quality)
- carrier recognition with identification keys
- working time regulation for each day separately, possibility of using second charge rate
- servicing up to 250 carriers and ability of 20 000 receptions before data reading necessity
- up to 5 charge rates depending on sewage quality
- ability of using quotas (e.g. for undisciplined carriers)
- RS 485 or 422 PC interface communication: data reading, station programming (cable connection with PC computer control room)
- reports data sorting by time or carrier, both general and detailed reports available
- information data reports printing for carriers after each discharge
- automatic valve closing when specified parameters value exceeding occurs (e.g. pH-option)
- automatic pipes rinsing after each valve closing
- FEKO PC software, which enables:
  - discharges and carriers data recording,
  - setting and changing station parameters,
  - carriers adding and removing,
  - discharges reports printing,
  - quotas entering,
  - station working time managing
- stations can be optionally equipped with:
  - pH measuring module,
  - conductivity measuring module,
  - quality module,
  - stationary sampler,
  - spiral sieve with hydraulical press,
  - universal or special container.



reports created
with use of
FEKO software

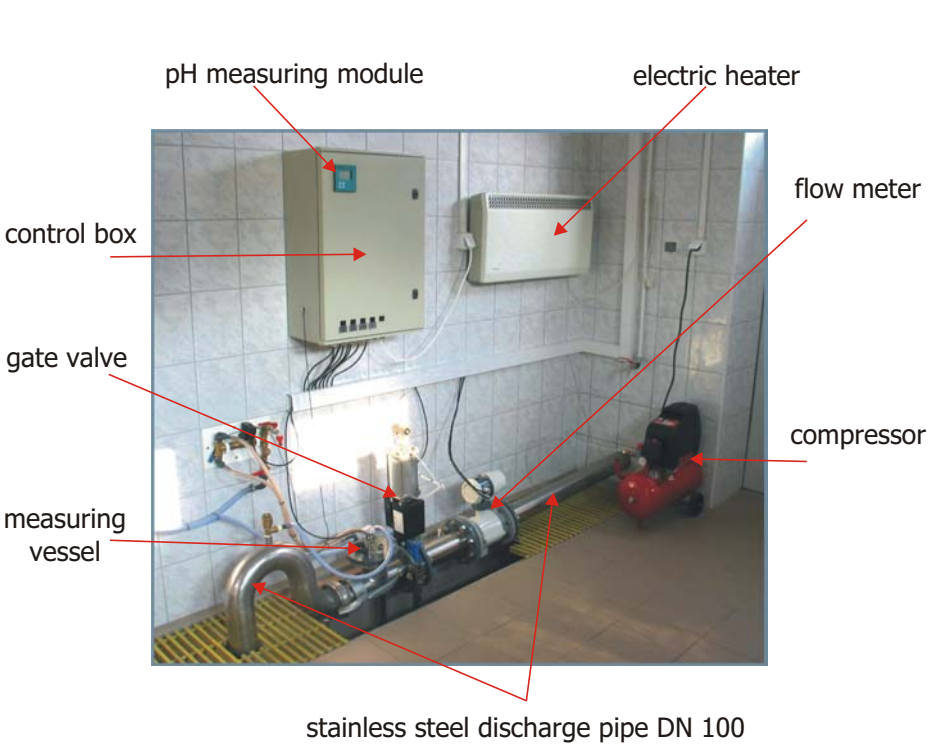
FEKO STANDARD
with QUALITY module
in a big container

quality module


Rybnik Waste WaterTreatment Plant
Carrier details
"Company name"
"Address line 1"
"Address line 2"
Date and number of the contract
WasteWater Source
"Address line 1"
Date and number of the contract
Time and date : 15-04-2004 14:35:52
Tariff : 1
Volume : 8329
Kind : domestic
Class : 1
pH : 6.07
Lf : 81.59
Temperature [°C] : 20.9
Delivery Has been terminated
Overrun pH (4,93)
INFORMATION
Stacion ready
Waste reception confirm
Jan Kowalski

standard receipt
for carrier

Typical installation of FEKO waste water reception station



FEKO MANUAL in standard container

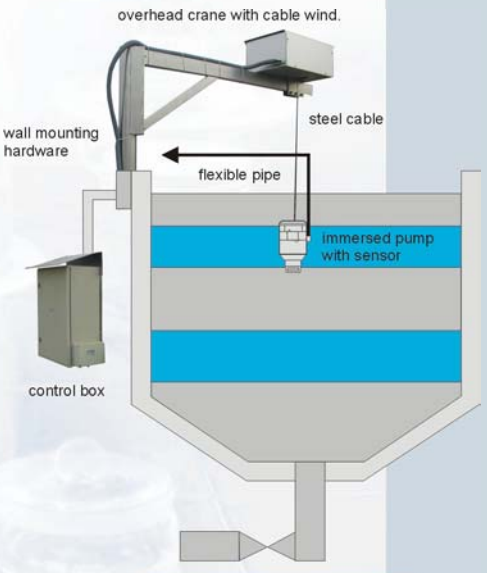
Sludge water removing system

This system is dedicated mostly for sewage treatment plants. It has been designed to remove water layer above the sludge layer or water layers between sludge layers in sedimentation tanks, open digestive tanks etc.) Conventional systems (decanters) don't allow to remove sufficient amount of water. That is why cost of water removing is much higher when using such a conventional decanters system (necessity to use higher amounts of polymer, longer presses and centrifuges working time...). Our new system has been specially designed to be able precisely determine the border between water and sludge layers in the tank (using sludge concentration sensor mounted on a movable pumping element). It is very efficient also while working in tanks where more layers are observed (water and sludge layers alternately).

System available in two options:

- **automatic**
- **semiautomatic**

- Automatic system is totally operation free with ability to control from control room. It can also be programmed depending on many parameters: filling time, sludge sedimentation or others...)
- Semiautomatic system needs an operator to control it (operator must check sewage concentration profile and then turn on or off the pump manually).



system diagram

In our offer You can find also much more on-line instrumentation:

- pH and ORP electrodes
- DO, turbidity and suspended solid sensors
- immersion armatures
- stainless steel mounting hardware
- operating materials