



Data sheet

Grease and sludge collection station **FEKO+ /TO**



The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

FEKO+ station collects municipal and industrial sewage, sludges from home sewage treatment plants and fats delivered by slurry tanker. The station identifies carriers, suppliers of wastewater, as well as measures and controls parameters (pH, temperature, conductivity, density) and the amount of delivered wastewater.

Stainless steel external control cabinet equipped with:

- 7" or 10" colour LCD touch screen*
- control system with data archiving and the ability to create a database
- software based on the Windows Embedded
- internal memory (town, address)
- Ethernet or Wi-Fi communication module*
- USB input for data transfer and manual station programming
- MODBUS RTU/TCP or Profibus communication protocol*
- carrier identification module - RFID key rings
- module identifying the type of wastewater
- modular printer with paper cutter
- industrial keyboard (made of stainless steel)



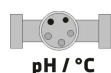
Operating principle of the FEKO+ /TO station

FEKO+ /TO is a version of the station designed to collect domestic and industrial wastewater, sludge from domestic sewage treatment plants and grease from septic tank vehicles. The unit identifies carriers, sewage suppliers, and also measures and controls the parameters (pH, temperature, conductivity, density) and quantity of the delivered sewage. It is possible to block the admission of wastewater in which the measuring transducers have detected exceedances (e.g. pH or conductivity) assumed in the FEKO+ programme dedicated to the septic tank station. The station is a fully automated facility, requiring no permanent maintenance by the Operator; it is operated by software for data reading, programming and archiving, based on the Windows Embedded operating system. Only periodic maintenance is required.

The following components may be included in the scope of supply of the plant:

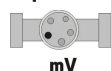
- catchment station (control system with carrier identification module, flow meter, drain line, measuring vessel, identifiers, pneumatic gate valve, compressor, line flushing system with 60 °C water, manual gate valves DN 125, container for screenings, reinforced connection hose 3m)
- set for measurement of contaminants based on MemoSens system (pH, conductivity)
- Sludge density measuring set
- Flushing water flow heater (optional)
- stainless steel stone trap integrated into the shredder
- macerator (shredder) with two shafts
- drum grizzly - or drum screen
- peristaltic pump sampling device (stainless steel housing with data logging on SD card)
- the entire system is installed in a container (size L/XL/XXL) or a building designed for this function

OPTIONS AND ACCESSORIES



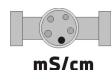
Order number: FEKO/PH

pH and temperature measurement kit



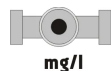
Order number: FEKO/RX

Redox and temperature measurement kit



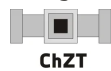
Order number: FEKO/COND

Conductivity measurement kit



Order number: FEKO/TSS

Sludge concentration measurement kit



Order number: FEKO/CHZT

COD measurement kit



Order number: SC 600

External stone catcher



Order number: SC 500

Internal stone catcher



Order number: PP 2002+E

Stationary sampler outdoor



Order number: PP 2002+E

Stationary sampler mounted inside



POL-EKO
Perfect Environment

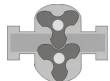
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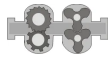
Order number: FEKO/ROZDRABNIACZ

Macerator milling cutter



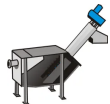
Order number: FEKO/POMPA

Rotary pump



Order number: FEKO/ROZDRABNIA/POMPA

Macerator in a set with a rotary pump



Order number: FEKO/SITO

Sieve with screenings press



Order number: FEKO/FERROX

Odor neutralization system



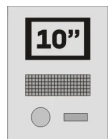
Order number: FEKO/CCTV

CCTV monitoring



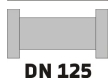
Order number: FEKO/BRAMA

Gate control



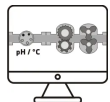
Order number: FEKO/10"

10" control panel



Order number: FEKO+/DN125

Drain line DN125



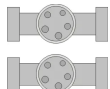
Order number: FEKO VIEWER

FEKO Viewer software



Order number: FEKO/WIFI

Multi station construction



Order number: FEKOx2

Multi-station