POL-EKO
Perfect Environment

(+48) 32 453 91 70
info@pol-eko.com.pl
www.pol-eko.com.pl

POL-EKO A.Polok-Kowalska sp.k.
44-300 Wodzisław Śląski
ul. Kokoszycka 172 C

Data sheet

FEKO+ /S

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)

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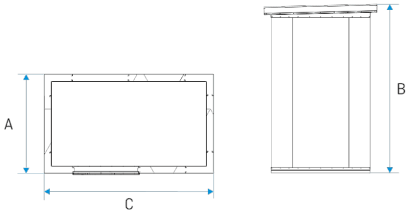
overall dims [mm]	
Width A	1000
Height B	2300
Depth C	2000



The FEKO+ waste water receipt station is a multifunctional device for collecting municipal and industrial wastewater, The device identifies carriers, wastewater suppliers, and also measures and controls the parameters (pH, temperature) and quantity of the delivered wastewater. It is possible to block the admission of wastewater in which measurement transducers have detected exceedances (e.g. pH) established in the FEKO+ programme dedicated to the catchment station.

The FEKO+ station provides:

- acceptance of wastewater
- adjustment of station operating parameters
- creation of a database, i.e. contractors and dictionaries with a list of towns and streets
- Measurement of the volume of delivered wastewater
- measurement of contaminant concentration
- recording of delivery data with the option of transferring them to a memory stick
- supervision of suppliers
- possibility to export data to *.pdf, *.xls, *.doc, *.html files.

Functional principle of the FEKO+ station

The station is a fully automated facility which does not require constant attendance by the operator. The station is operated by software for data reading, programming and archiving, based on the Windows Embedded operating system. Only periodic maintenance is required.

- filling station (control system with carrier identification module, flow meter, drain line, measuring vessel, identifiers)
- pneumatic gate valve, compressor, reinforced connection hose 3m
- contamination measurement set based on Memosens system
- All installed in a container

FEKO+ software

The FEKO+ software is an application which is an integral part of the FEKO+ Station, the programme enables the remote control of the FEKO+ Station, the generation of reports on the basis of transmitted data from the FEKO+ Station, parameterisation of the station, invoicing, and many other functions necessary for operating the device.

The application enables, among other things

- remote software update

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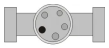
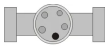
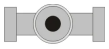
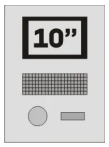
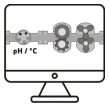
- creation of a database of properties with septic tanks with the possibility of grouping them into housing estates or localities
- scheduling inspections of transporters
- issuing invoices and creating sales registers
- statistical data analysis with the function of generating automatic discrepancy reports, e.g. of properties from which less/more wastewater was delivered than assumed

OPTIONS AND ACCESSORIES

pH / °C	Order number: FEKO/PH	pH and temperature measurement kit
 mV	Order number: FEKO/RX	Redox and temperature measurement kit
 mS/cm	Order number: FEKO/COND	Conductivity measurement kit
 mg/l	Order number: FEKO/TSS	Sludge concentration measurement kit
	Order number: SC 600	External stone catcher
	Order number: PP 2002+E	Stationary sampler outdoor
	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
DN 125	Order number: FEKO+/DN125	Drain line DN125
	Order number: FEKO VIEWER	FEKO Viewer software
	Order number: FEKO/WIFI	Multi station construction