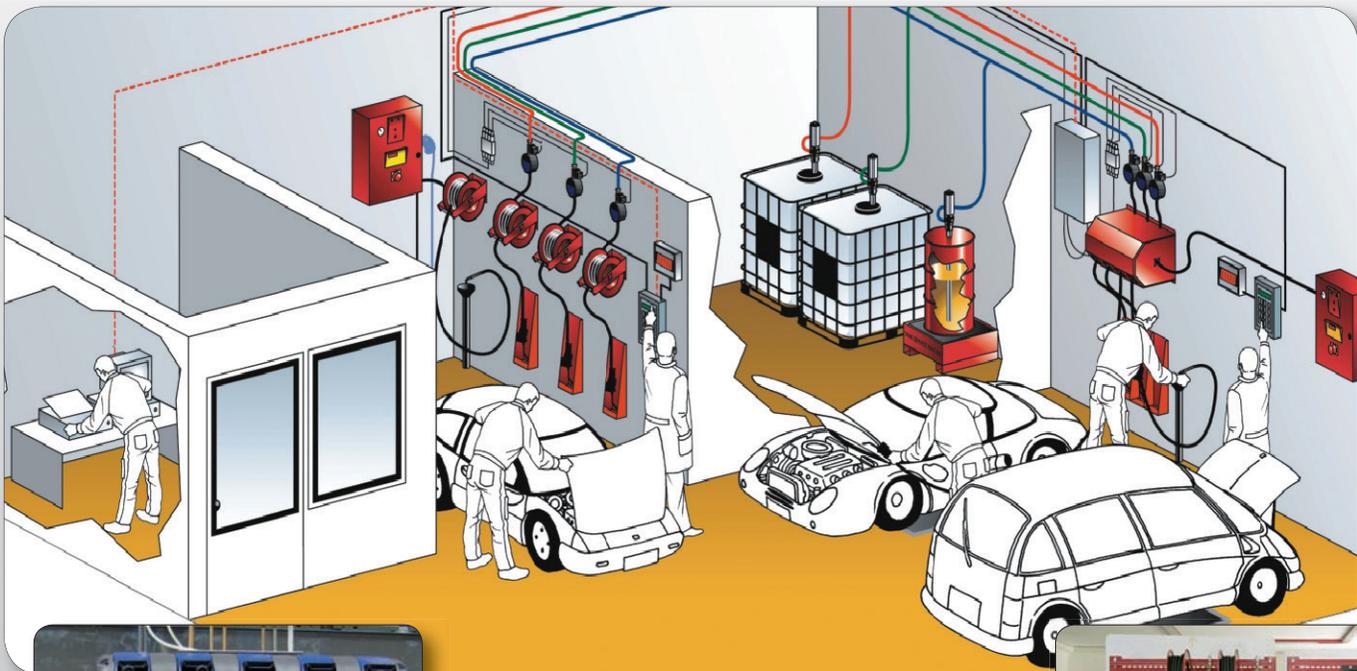


Electronic monitoring systems are highly customizable modular units for the control of the lubricant dispenses in a workshop. They enable the owner or the operator to get a precise, efficient and safe information on each single dispense, eliminating any possible deviation, caused by theft or non-authorized dispenses, in the purchased and sold oil quantity. The amortization of the financial investment in such a system therefore will quickly be achieved by a notable reduction in the consumption of lubricants that can be visualized in the periodical reports.

Besides that these systems also permit a continuous control of the lubricants inventory in a workshop, recording each reduction caused by dispenses immediately.

The use of these systems is easy, even for non-experts. They are connected with a usual PC with an operating system in Windows®. Each transaction can be printed out immediately or can be stored and printed out gradually in a summary of various dispenses.

For being able to carry out a dispense of oil the operator must first identify himself by entering his personal identification code on the keypad. Then he can also enter a job order number, the vehicle registration number, the mileage of the vehicle, and of course select the required product type, the quantity to be dispensed and the outlet to be used for the dispense. After the dispense all this data will automatically be stored, considering only the quantity that has really been dispensed. The system assures an absolute security which is guaranteed by different password levels 1) for the operators, 2) for the supervisor and 3) for the workshop owner or the person responsible for the installation and configuration of the system.



FLUID KEEPER is a modular monitoring system which allows to control up to 16 different oil types or antifreeze, and up to 64 different dispensing points.

Each dispense of a lubricant made by the operators is electronically registered, transmitted to a PC and administrated in a Windows – based programme.

The level of each container is automatically and continuously updated and a message is sent if the (presetable) minimum level has been reached in a container or the system is blocked if another (presetable) “stop” level has been reached.

In order to make a dispense the operator must:

- enter his personal 4 – digits – identification code;
- enter the internal job order number;
- indicate the vehicle registration number;
- select the oil type;
- enter the quantity to be dispensed.

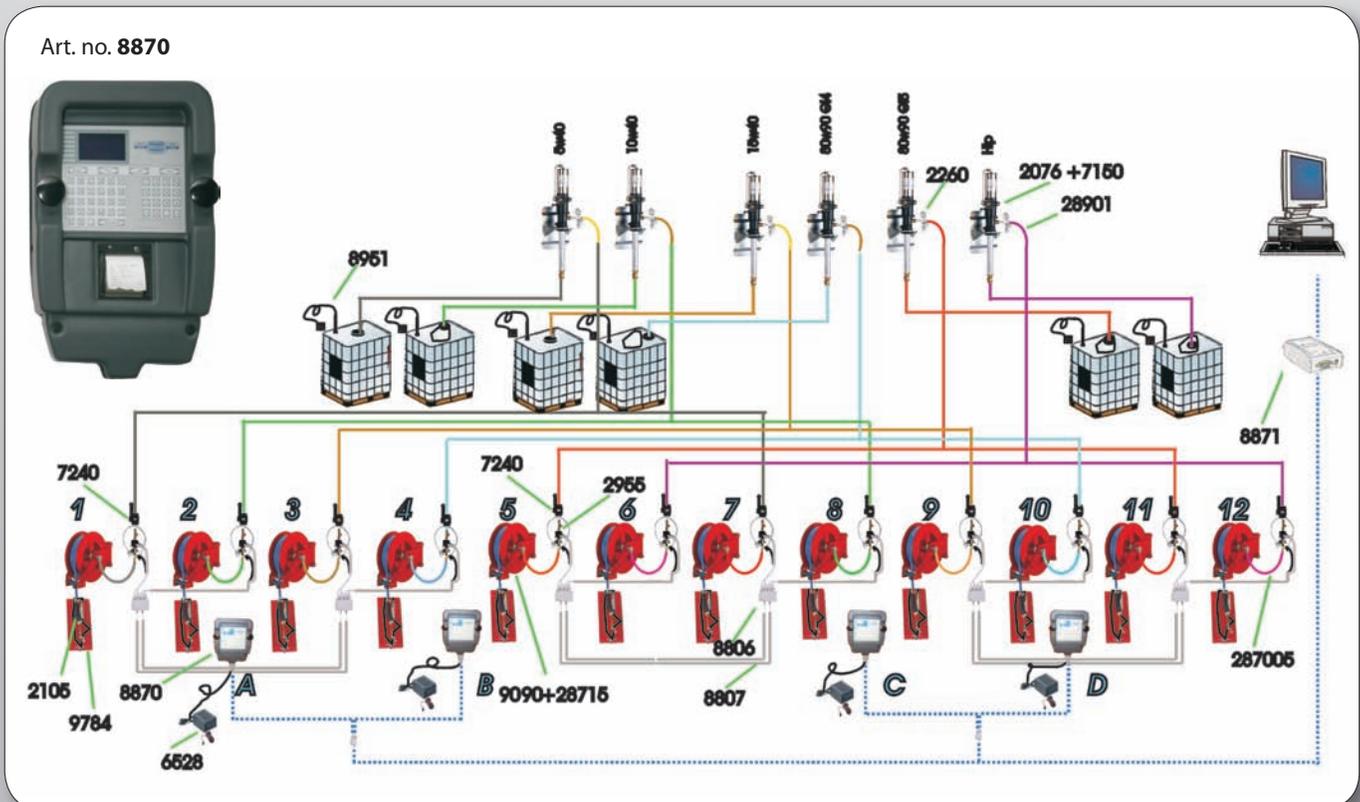
After a short waiting period (presetable) which allows the operator to take the corresponding control gun, it is possible to start the dispense by pulling the trigger. When the preset quantity has been reached the system automatically stops the dispense.

If the preset dispensing quantity should be higher than the really required quantity, it is possible to interrupt the dispense by releasing the trigger of the control gun. The system will automatically registrate eventual differences between the preset and the really dispensed quantity and transmit to the PC only the effective dispensing data.

All data can be extracted and printed out in periodical statistics based on operator, job order number, date, oil type, container or vehicle.

Furthermore the system permits the extension with additional components (optional), such as:

- ticket printer for a report on each individual dispense;
- bar code reader for scanning the data of each transaction;
- security sensors detecting the internal pressures of the pipework;
- remote display for the visualization of the dispensed quantity.

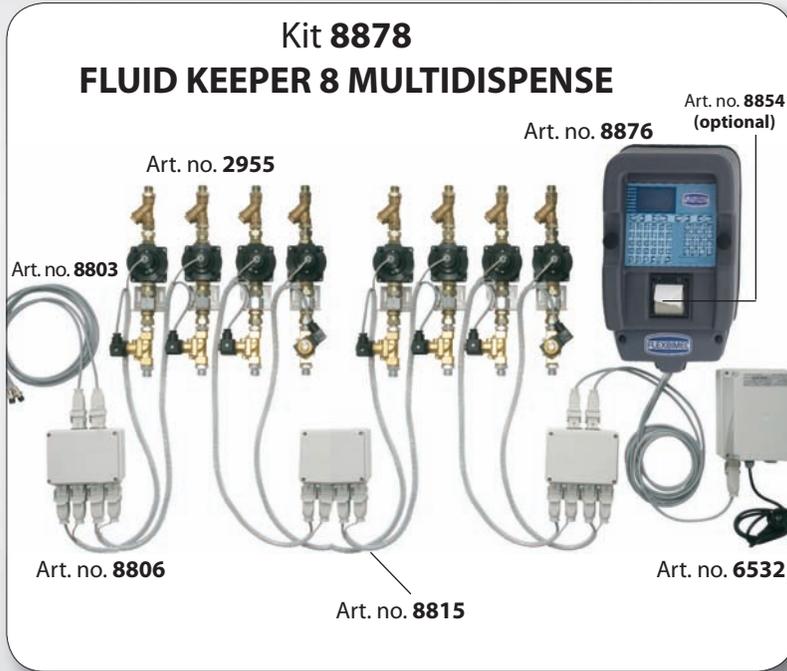


KIT 8878

Example of a configuration for a **FLUID KEEPER 8 MULTIDISPENSE** system for 8 dispensing points.

Basic composition:

- 8 pcs. art. no. 2955
- 1 pc. art. no. 8876
- 5 m of art. no. 8815
- 1 pc. of art. no. 8874
- 1 pc. art. no. 6532
- 4 pcs. art. no. 8806
- 20 m art. no. 8803



Art. no. 2955

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each dispensing point of the system.

Art. no. 8876

Control unit FLUID KEEPER 8 MULTIDISPENSE with alphanumerical keyboard and display. One control unit is necessary per 8 dispensing points.

Art. no. 6532

Transformer / stabilizer 230 VAC - 24 VDC, 7,5 A, IP 55, for the power supply of the control unit art. no. 8876. One transformer / stabilizer is necessary for each control unit.

Art. no. 8806

Junction box for the connection of flow meters with pulse transmitter and control unit. One junction box is recommended per 2 flow meters with pulse transmitter.

Art. no. 8854

Thermal printer (optional), can be connected to the CANBUS of the control unit. Required for printing a ticket of each individual dispense.

Art. no. 8803

Network cable (sold by the meter).

Art. no. 8815

Solenoid and pulse transmitter cable 2 x 1 PBFEN/14 (sold by the meter).

Art. no. 8874

CD with FLUID KEEPER 8 MULTIDISPENSE monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply module, cable and plug. One software and interface unit is necessary for the complete system.



Art. no. 8795

Bar code reader for FLUID KEEPER 8 MULTIDISPENSE system. Allows to scan all data that can be read by the software. The bar code reader must be connected to an alfanumerical keyboard unit, art. no. 8877. With only one quick transaction all necessary data can be read, avoiding like that any possible errors eventually occurring when entering the data manually on the keyboard.





The system FLUID KEEPER 8 MULTIDISPENSE offers plenty of additional functions compared to the basic version. These are:

- Each control unit allows the monitoring of up to 8 dispensing points and the simultaneous dispense of lubricants in various of them;
- On the connected PC the required measuring unit (liters, gallons, pints, quarts) can quickly be chosen;
- Data entry with a bar code reader (optional) helps to avoid possible errors and to increase operations velocity;
- Wide monitoring of dispensing jobs and dispensing quantities: preset, free or serial mode;
- Management of suppliers: possibility to automatically send emails when predefined minimum levels in lubricants storage tanks have been reached; the operator can send emails to different email addresses and to different suppliers.
- Intuitive graphical interface software.

Art. no. **8876**

Control unit FLUID KEEPER 8 MULTIDISPENSE with alphanumerical keyboard and display. One control unit is necessary per 8 dispensing points and allows also simultaneous dispensing in various dispensing points. There can be installed up to 8 control units in the system.

Art. no. **8877**

Alphanumerical keyboard with display without memory that can be installed optionally and allows to activate any of the connected dispensing points of the system. There can be installed up to 40 of these keyboards in the system.



Art. no. **8879**

Control unit FLUID KEEPER 8 MOBILE with touch screen 7" (185 x 98 mm).



Art. no. **8874**

Self – installing CD with FLUID KEEPER 8 MULTIDISPENSE monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply module, cable and plug. One software and interface unit is necessary for the complete system.

Art. no. **8884**

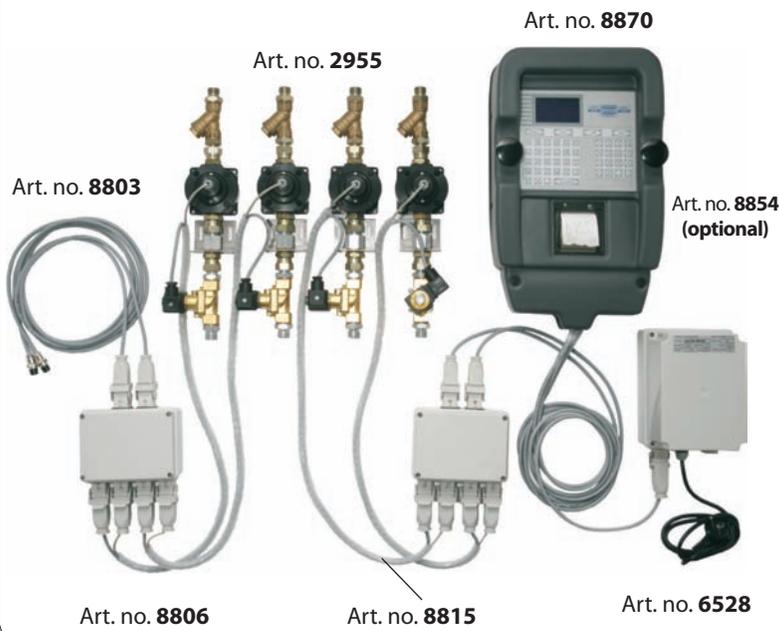
Software FLUID KEEPER 8 MOBILE for Tablet in Windows® operating systems (7, 8). The Tablet can be used as a mobile keyboard and allows to activate and manage any of the connected dispensing points of the system. The area must be covered by wireless signal through access point.

Kit 8872 - Configuration for a FLUID KEEPER 4 system for 4 dispensing points.

Basic composition:

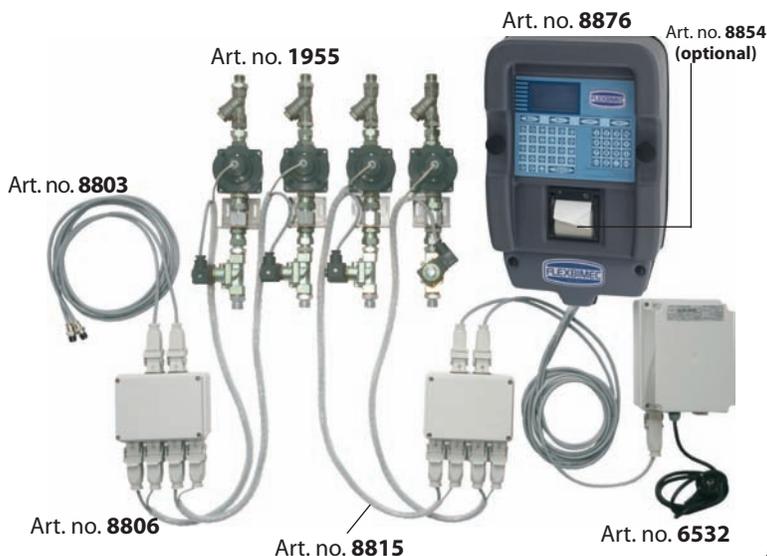
- 4 pcs. art. no. 2955
- 1 pc. art. no. 8870
- 5 m of art. no. 8815
- 1 pc. art. no. 8871
- 1 pc. art. no. 6528
- 2 pcs. art. no. 8806
- 5m of art. no. 8803

Kit 8872 - FLUID KEEPER



Art. no. 8871

Kit 8873 - FLUID KEEPER INOX



KIT 8873 - Configuration for STAINLESS STEEL FLUID KEEPER for 4 dispensing points.

Basic composition:

- 4 pcs. art. no. 1955
- 1 pc. art. no. 8876
- 2 pcs. art. no. 8806
- 5 m of art. no. 8803
- 1 pc. art. no. 6528
- 1 pc. art. no. 8871
- 5 m of art. no. 8815

Art. no. 2955

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each the dispensing point of the system.

Art. no. 8870

Control unit FLUID KEEPER 4 with alphanumerical keyboard and display. One control unit is necessary per 4 dispensing points.

Art. no. 6528

Transformer / stabilizer 230 VAC – 24 VDC, 5 A, IP 55, for the power supply of the control unit art. no. 8870. One transformer / stabilizer is necessary for each control unit.

Art. no. 8806

Junction box for the connection of flow meters with pulse transmitter and control unit. One junction box is recommended per 2 flow meters with pulse transmitter.

Art. no. 8854

Thermal printer (optional), can be connected to the CANBUS of the control unit. Required for printing a ticket of each individual dispense.

Art. no. 8803

Network cable (sold by the meter).

Art. no. 8815

Solenoid and pulse transmitter cable 2 x 1 PBFCE/14 (sold by the meter).

Art. no. 8871

CD with FLUID KEEPER 4 monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply art. no. 8871, cable and plug.

One software and interface unit is necessary for the complete system.

Art. no. 1955

Electronic oval gears flow meter with stainless steel body with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each the dispensing point of the system.



The electronic dosing system **AUTOMATIC FILLS** allows the dosage of different, preset quantities of a fluid lubricant.

It is particularly suitable in applications where a continuous accuracy in the dosage is required such as in industrial production systems with automated, constant and continuous dispenses of oil. This dosing system is an essential component in assembly lines with repeated dispenses of a preset quantity and can be used with any kind of container.

Art. no. **8864**



Art. no. **8857**



Kit **8867**

Art. no. **2955**

Art. no. **6528**

Art. no. **7383**

Art. no. **8857**

Art. no. **8857**

Electronic dosing unit AUTOMATIC FILLS, prepared for the preset of 4 different modifiable quantities of a fluid lubricant that shall be dispensed.

Art. no. **8864**

Electronic dosing unit AUTOMATIC FILLS, touch screen version.

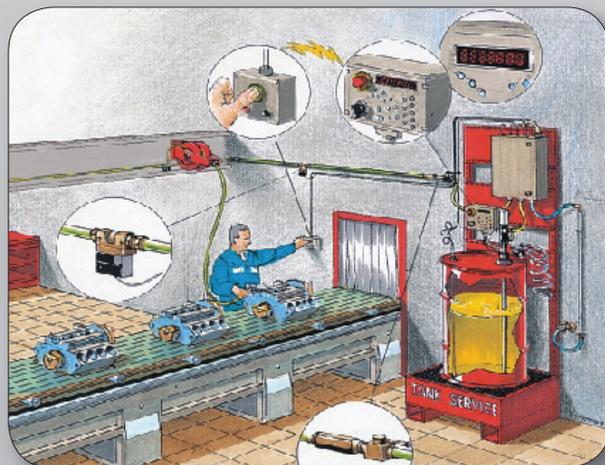
Kit **8867**

Kit composed of:

- 1 electronic dosing unit AUTOMATIC FILLS, art. no. 8857;
- 1 electronic oval gears flow meter with pulse transmitter, 24 VDC - solenoid valve, inline filter and wall bracket, art. no. 2955;
- 1 transformer / stabilizer 230 VAC – 12 VDC, art. no. 6528;
- 1 remote control switchboard, art. no. 7383.

Art. no. **2958**

OPTIONAL: Oil control gun with push button for activation of dispense run.



Art. no. **2958**

