

## DOSAMIX – System for the dosing and proportional, automated mixing of antifreeze, lubricating oils or emulsions.

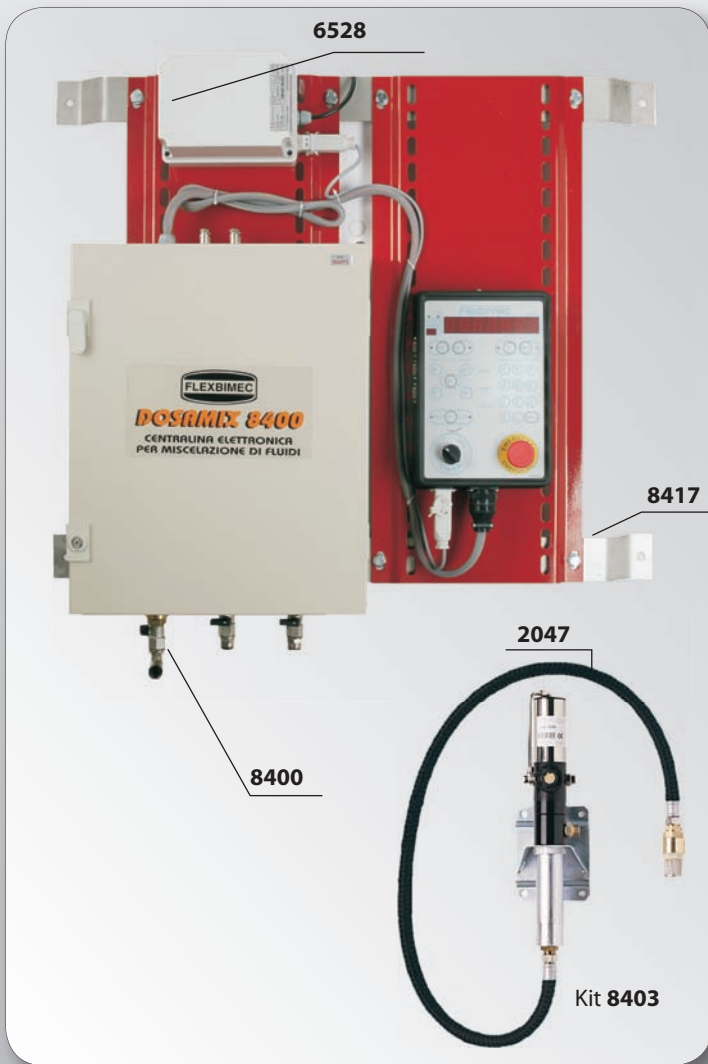
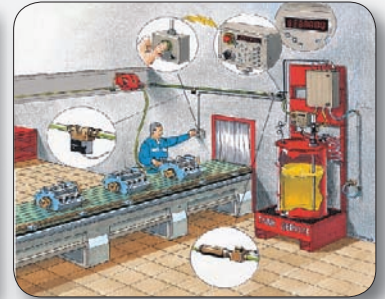
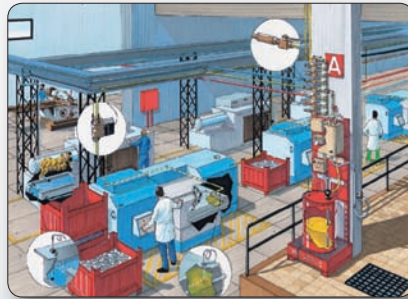
The system is based upon the proportional dosing - regulated by solenoid valves - of two fluids that shall be mixed and whose flow is measured by two meters with pulse transmitters which are monitored by the electronic control unit that keeps a constant balance of the preset mixture percentages. The electronic control allows to adapt the configuration exactly to the individual installation requirements.

The system offers the following benefits:

- Wide range of presettable mixture percentages from 0,5 % - 50 %.
- Constant concentrations with the possibility to store and to monitor 8 different mixing degrees.
- High accuracy of +/- 0,5 %.
- Manual dispense or dispense of preset quantities by using a keyboard or automatically through pulses activated by installed level gauges (min. - max) installed in the storage containers of the mixed fluids.
- Optional use of "CONTINUOUS" mode or "TIME PRESET" mode from min. 1 min. up to 12 hours.
- Automatic pump stop by means of installed level gauges which give a signal to interrupt the pump function as soon as the minimum level in the storage container of the mixed fluid has been reached.
- Monitoring by means of the "REPORT" function which starts the print of statistics comparing the really achieved dosage values with the preset values of all the preset transactions.

The following data can be controlled on the display of the keyboard:

- Quantity of all dispenses ever made (absolute totalizer), non resettable
- Quantity of a sum of dispenses (partial totalizer), resettable
- Preset values
- Concentration percentages of the fluids to be mixed with each other
- Automatic diagnostics to display any eventual inconsistencies
- All functions of the system can be adjusted by the keyboard
- The keyboard is prepared for the connection of a printer.



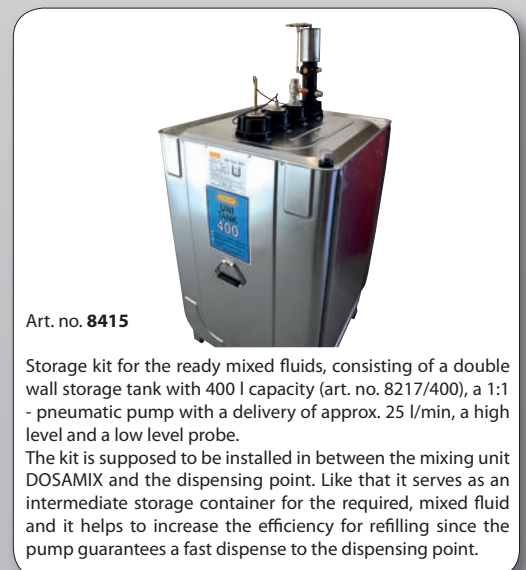
Art. no. **8403**

Kit **DOSAMIX**, suitable for the mixture of a fluid with water in concentrations from 0,5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. **8400**
- Wall mounting bracket, art. no. **8417**
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. **6528**
- 1:1 - pneumatic pump, art. no. **2047**

The fluids must enter into the mixing unit with a pressure of min. 3 bar. In the standard version only 1 pump is included, so that it is necessary to make sure that the second fluid to be mixed is dispensed with sufficient pressure, otherwise another pump must be provided in the installation.



Art. no. **8415**

Storage kit for the ready mixed fluids, consisting of a double wall storage tank with 400 l capacity (art. no. 8217/400), a 1:1 - pneumatic pump with a delivery of approx. 25 l/min, a high level and a low level probe.

The kit is supposed to be installed in between the mixing unit DOSAMIX and the dispensing point. Like that it serves as an intermediate storage container for the required, mixed fluid and it helps to increase the efficiency for refilling since the pump guarantees a fast dispense to the dispensing point.





Kit 8407

**Art. no. 8407**

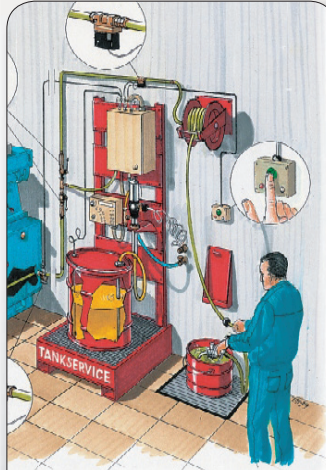
The installation of the kit **DOSAMIX** on the mounting shelves of series Tank Service Base permit to create an autonomous unit for the mixture of a fluid with water in concentrations from 0,5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. **8400**
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. **6528**
- 1:1 - pneumatic pump, art. no. **2047**
- Mounting shelf with spill containment pallet, art. no. **8525**

**Art. no. 8457**

Same as art. no. 8457, but installed in a metal cabinet.



This example shows the combination of two dispenses, one manually operated according to the requirement of the worker, the second one automatically operated directly into the machinery.



Kit 8457



**Art. no. 6643**  
Non-return valve, prevents the reflow of the fluid into the main pipe.

Fluid pipework that leads to storage containers of which each can have a different percentage of the mixed fluids.

**Kit 8413**  
Level indication kit, consisting of solenoid-actuated shut-off valve and probe with high and low level sensor. When the preset minimum level in the storage containers has been reached, a fluid dispense from the mixing unit will automatically be started. As soon as the maximum level has been reached, the flow will automatically be stopped again.

**Art. no. 7344**  
Solenoid-actuated shut-off valve for the regulation of the fluid flow.

**Art. no. 7240**  
Ball valve; enables or prevents the required fluid mixture to enter into the corresponding pipe.

**Art. no. 8601**  
Ticket printer; allows to compare the real dispensed values with the preset values and control all dispenses.

**Art. no. 8400**  
Electronic control keypad for mixing unit; serves for the adjustment of all functions. The dispenses can be activated manually, via remote control or by preset function. The figures can be controlled on the keypad display.

**Art. no. 8408**  
Electric signals distributor; allows to expand the mixing unit to handle up to 8 containers with different fluid concentration percentages.

**Art. no. 8400**  
Electronic mixing unit; two fluids can be mixed proportionally in constant concentration percentages.

Switchboard with cable connections to receive the electronic signals; serves for the control of the filling levels, of the fluid flows, of the solenoid shut-off valves and of the pump.

**Art. no. 2047**  
Pneumatic pump; serves for the dispense of the fluid to be mixed with water and to keep sufficient pressure in the pipework to guarantee an immediate fluid dispense into the storage containers when required.

**Art. no. 8952**  
Low level pump stop kit, consisting of probe with low level sensor and solenoid-actuated shut-off valve that interrupts the compressed air supply of the pump and stops it as soon as the minimum level in the drum has been reached.

