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## ACOFLUX systems

### Way of functioning

ACOVAL microlubrication systems of the FLUX type are continuous lubrication systems. The air flow is continuous. Micropumps regularly deliver an amount of liquid. The gas smooths the liquid flow at the nozzle. They can be used:

1. to regularly deliver amounts of liquid without using air as carrier
2. most often with a nozzle which focuses or sprays the liquid with compressed air. The air produces a continuous liquid flow.

### Duty cycle

Generally, micropumps work several times between the start-up and the shutdown of systems. If the duty time is shorter than the elapsed time between two micropump cycles, systems work almost as [ECOPULS systems](#) or [ACOPULS systems](#).

### Applications

ACOFLUX systems are often used:

- to lubricate tools in long machining operations.
- to lubricate small and medium sheet metals before stamping. Usually, the large sheet steels are lubricated by [ACOVAL spray systems](#).
- to lubricate high speed stamping tools.
- to lubricate mechanic systems, conveyors, chains.
- to spray liquids (water, solvents, demolding products, rust inhibitors).

### Models

These models built in a cabinet generally include between one and six micropumps.

The liquid flow of each micropump is adjustable.

There is only one air flow setting or an air flow setting for each nozzle.

### Standard configurations



These systems are fitted with:

- a 300 ml tank
- for each micropump:
  - a 1.5 meter transparent coaxial hose
  - a copper coaxial nozzle with its fastening

## Standard options

- 0.5 ; 1 ; 2 ; 3 ; 5 ; 9 ; 10 litre tank
- Low level switch
- Automatic filling device
- Micropump selection by groups
- Attachment magnet under the system
- Attachment magnets for the nozzles
- Half capacity micropumps
- Double capacity micropumps
- VITON seals
- Stainless steel sheathed coaxial hoses
- [Nozzles](#)

## Samples

|  |   |
|--|---|
| <p style="text-align: center;"><b>AF1EG</b></p>     | <p>a single capacity micropump<br/>         a solenoid valve<br/>         an one litre tank with a low level switch<br/>         a stainless steel sheathed coaxial hose<br/>         a 150 mm copper coaxial nozzle</p>                                  |
| <p style="text-align: center;"><b>AF1EG-2V</b></p>  | <p>a double capacity micropump<br/>         a solenoid valve<br/>         a start up switch<br/>         a three litre tank with a low level switch<br/>         a stainless steel sheathed coaxial hose<br/>         a 300 mm hinged coaxial nozzle.</p> |

**AF6EG-3EI-V-2V**



six single capacity micropumps in three groups  
a solenoid valve  
a three litre tank with a low level switch  
six stainless steel sheathed coaxial hoses  
six short flat spray nozzles  
two micropump selector switches.

**AF4E-05V**



four half capacity micropumps  
a solenoid valve  
a two litre tank with a low level switch  
four transparent coaxial hoses  
four 1/8 gas adaptors.

**AF1EG-RUC-SU**



a single capacity micropump  
a solenoid valve  
a three litre tank with a low level switch  
a stainless steel sheathed coaxial hose  
a horseshoe nozzle with three jets  
a horseshoe air blowing nozzle with four jets fed by two stainless steel sheathed hoses.

**AF2E-2I-2V**



two double capacity micropumps  
a solenoid valve  
a five litre tank with a low level switch  
two transparent coaxial hoses  
two micropump selector switches.