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## ECOFLUX 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

ECOFLUX systems are often used:

- to lubricate tools in long machining operations.
- to lubricate small and medium sheet metals before stamping. Usually, 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 without 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

<b>EF1EG-V</b> 	a micropump a solenoid valve a 300 ml tank a stainless steel sheathed coaxial hose a 200 mm copper coaxial nozzle.
<b>EF2E-05V</b> 	two half capacity micropumps a solenoid valve a 300 ml tank two transparent coaxial hoses two 200 mm copper coaxial nozzles.

<p><b>EF3EG-V</b></p> 	<p>three micropumps a solenoid valve a five litre tank three stainless steel sheathed coaxial hoses three nozzles.</p>
<p><b>EFP4E-2EE-05V</b></p> 	<p>four micropumps in two groups four solenoid valves an one litre tank with a low level switch four stainless steel sheathed coaxial hoses four nozzles.</p>
<p><b>EF2EG-2E</b></p> 	<p>two micropumps two solenoid valves an one litre tank with a low level switch two stainless steel sheathed coaxial hoses two coaxial nozzles.</p>
<p><b>EF8EG-3R-V</b></p> 	<p>eight micropumps in three groups a solenoid valve two manual valves a five litre tank with a low level switch eight stainless steel sheathed coaxial hoses eight flexible coaxial nozzles with fixing magnets.</p>