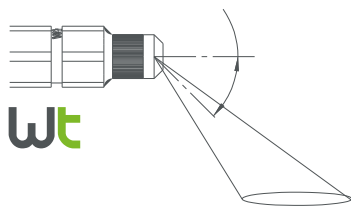


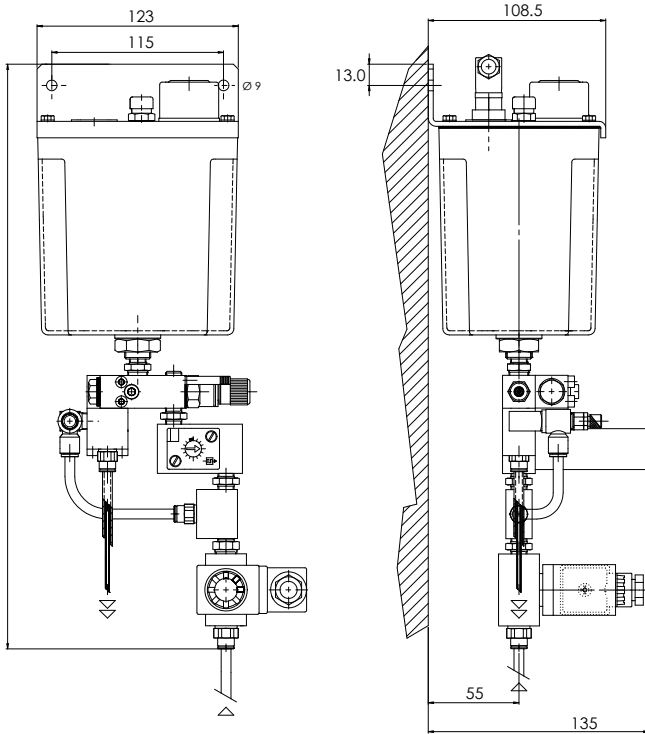
# ECO-PulseLUB

Minimum Quantity Lubrication Compact Systems

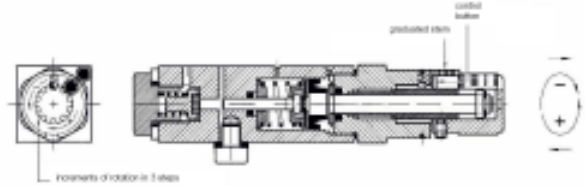


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Excellence in Minimum Quantity Lubrication



The ECO-PulseLub range is made of systems with micro-pump.

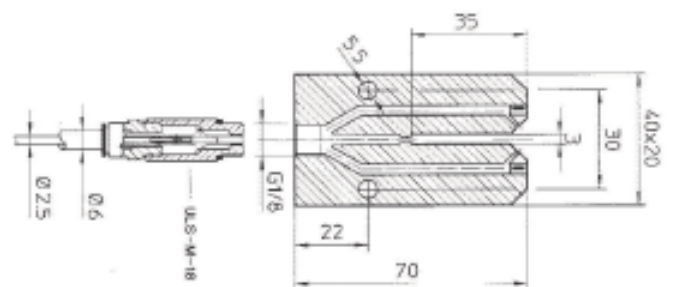
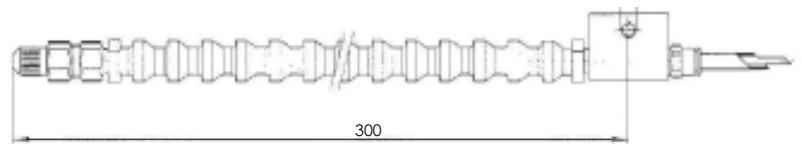


Volumetric micro pumps inject small amounts (max 5.4 ml / min) of lubricant through a capillary tube to the nozzle. In parallel, a second capillary supplies the low pressure air to the nozzle. This technology allows to spray an air/lubricant mix to a precise area while ensuring the optimum amount of lubricant at the right place and an air cooling of the tool/parts contact zone.

These systems are managed through an electrical valve. The quantity of lubricant can be adapted through the pneumatic sequencer and an adjustable knob located on the pump. The air flow is managed through a flow control on the basis of the pump.

The ECO-PulseLub range is composed with 4 references :  
(choice between 1 or 2 nozzles and choice between the applications)

# of Nozzles	References	Flexible Nozzle	Sawing Nozzle	H
1	ECPU-1F	✓		358 mm
2	ECPU-2F	✓		378 mm
1	ECPU-1S		✓	358 mm
2	ECPU-2S		✓	378 mm



## Technical Specifications

### GENERAL SPECIFICATIONS

Number of lubrication points : 2 maximum  
Air Pressure : 5 à 7 bars  
Air connection : 6mm  
Volume micro-pump : 3 to 35mm<sup>2</sup>  
Viscosity : 5 to 100 cst/40°C

### SOLENOID VALVE

Voltage : 24VDC - 10 Watt

### PNEUMATIC SEQUENCER

Maximum frequency: 3Hz

### TANK

Capacity : 12 litres  
Level detection : visual

### AIR/OIL DISTRIBUTION

Pipe type : coaxial  
Pipe length : 2.5m



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