

# Pneumatic Microspray System

## Function:

The metering unit sprays a fine lubricating film on the cutting edge of tools, workpieces and on moving parts.

## Effect:

The compressed air is reduced to the desired working pressure via the regulator flow setting. The magnetic valve, which is opened through the subordinate machine control, feeds the frequency generator which in turn pulsates the ambient air and transfers it to the micro pump. From there, through tubes and hoses the spray arrives at the spray tubes or spray nozzles.

## Microspray system:

Accurately adjusted oil films

- chains • rails • profiles • tubes • tools

## Microspray system:

Finely dosed minimum lubrication for

- drilling • tapping • milling • sawing • recasting • punching

## Images:

- ① Exact dosing of lubricants for minimum consumption.
- ② Microspray system mounted on CNC machine.
- ③ Microspray system mounted on high-performance band saw.
- ④ Special nozzle head for band saws and circular saws.



Metering units: 6 models	
Standard version A	Nozzle head with 1 CU nozzle tube L = 200 mm, straight nozzle
Special version A	Angled nozzle
Special version B	Equipment for simultaneously supplying 2 lubricating points 2 nozzle heads with 1 CD-nozzle tube each. L = 200 mm straight nozzle
Sprühkopf SKS	Special nozzle head for screw-on band saw blade up to 54 mm
Sprühkopf SKN	Special nozzle head for crew-on band saw blade up to 41mm
Sprühkopf SKM	Special nozzle head for screw-on up band saw blade up to 27mm

Example: data sheet for BIO spray oil LG 42	
Formulation on the basis of vegetable fatty ester acids.	
Shape	liquid
Color	yellow
Smell	greasy
Pour point	-10 °C
Density	(20 °C) 0,93 g/cm³
Viscosity	(40 °C) 45 mm²/s
Solubility in water	indissoluble
Flash point	>250 °C
This product is not a dangerous substance in terms of the Ordinance on Hazardous Substances. Water hazard class: WGK 1 (self-grading)	

**Every application requires an individual solution and installation. Ask our experts for advice.**

	Pneumatic Microspray System 1 1/1	Pneumatic Microspray System 1 2/1	Pneumatic Microspray System 1 2/2
Description	Model with 1 pump 1 pulse generator	Model with 2 pumps 1 pulse generator	Model with 2 pumps 2 pulse generators
Box (lockable)	1	1	1
Micro pump	1	2	2
Pneumatic pulse generator	1	1	2
Electromagnetic valve	1	1	1
2,5m coaxial metal casing hose	1	2	2
CU nozzle tube, L = 200 mm on magnet base	1	2	2
1 liter storage tank	1	1	1
Pneumatic maintenance unit	1	1	1
<b>Ord.no.</b>	<b>13160</b>	<b>13231</b>	<b>13232</b>

**Bigger storage tanks on request**