

SERIES 09 AIR/OIL MIXING NOZZLE

The air-oil mixing nozzle can be used in different applications in direct or indirect lubrication, for example:

- for cooling chip removal tools, such as hard metal milling tools, high-speed bits, blades, and saws for cutting ferrous and non-ferrous metals;
- during cold pressing, drilling and drawing
- for lubricating moving parts.

There is a possibility to have several connections on the front nozzle. See section "Special Items"



TECHNICAL DATA

Pressure range	bar
Maximum oil consumption with air at 6 bar	NI/min
Working temperature range	°C
Fluid	

Z52091009000

2÷10

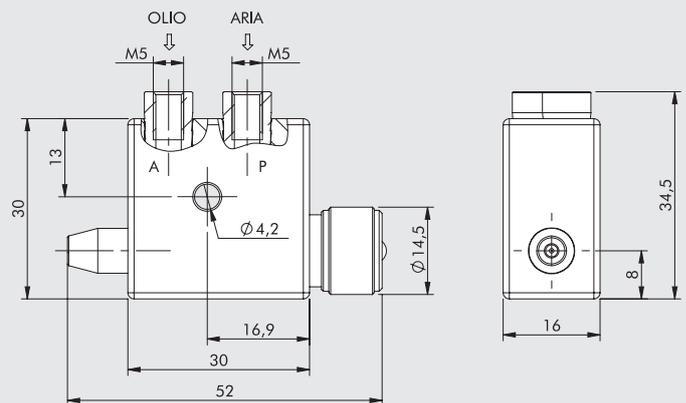
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-10°÷+70

Filtered air with or without lubrication
If you use lubricated air the lubrication must be continuous

DIMENSIONS AND ORDERING CODE

Code	Description
Z52091009000	Air/oil mixing nozzle



OPERATION

The reservoir pipe is inserted in hole A and the compressed air pipe in hole P.

The atomizer, which is based on the Venturi principle, is activated by short, continuous pulses. The fluids are drawn by the air speed and atomized.

The amount of fluid can be regulated by means of a pin.

Oil inlet (A) has a check valve that provides the seal to prevent the reservoir from emptying when not in use.

It is not advisable to mount the oil tank above the mixing nozzle.