**AIR-OIL MIXING NOZZLE**  
**SERIES 09**

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.

**DIMENSIONS AND 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 sucked up 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.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>Z52091009000</th>
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<tbody>
<tr>
<td>Pressure range</td>
<td>2-10</td>
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<tr>
<td>Maximum oil consumption</td>
<td>30</td>
</tr>
<tr>
<td>Working temperature range</td>
<td>-10° to +70</td>
</tr>
</tbody>
</table>
| Fluid                        | Filtered lubricated or un lubricated air  
  If lubricated air is used, lubrication must be continuous |