

## AL100 mini product sheet

### Product:

The micfil Ultra Fine Filter cleans all types of oil and diesel down to **0.5  $\mu$**  and blocks water from passing through the filter.

The **micfil AL 100** is built with high quality industrial components. The connections and pipes are hydraulic standard parts.

The **micfil AL 100** is built to polish, recondition and stabilize all oil types and diesel fuels to a super clean, clear and bright condition. The filter efficiently removes water as well as sludge and any kind of sediments. The filter is easy to maintain and operate and a low-cost solution for oil and fuel cleaning.

### Product features:

#### Features:

- Filtration down to 0.5  $\mu$ m
- Moisture absorbent
- High flow rate
- Long filter life
- Easy to change inserts
- Space saving
- For use in pressure and negative pressure filtration
- Up to 10 bar pressure



## Datasheet

<b>Particle size<sup>1</sup></b> (ISO 4406)	≤ 0,5 micron
<b>Housing material</b>	Aluminium Almg 4.5
<b>Height - over all</b>	230 mm
<b>Diameter at lid</b>	95 mm
<b>Diameter at bowl</b>	80.8 mm
<b>Weight</b>	850 g
<b>Weight - insert</b>	114 g
<b>Volume</b>	0.8 ltr
<b>Inlet/outlet connections</b>	1/4" id
<b>Max Pressure *</b>	-0.5 10 bar
<b>Temperature range</b>	-20/100 C
<b>Differential pressure in fuel flow</b>	0.0 bar - 0.02 bar at full flow
<b>Flow rate – fuel <sup>2</sup> (diesel)</b>	Flow rate 80 ltr./h
<b>Flow rate – fuel <sup>2</sup> (benzine)</b>	Flow rate 120 ltr./h
<b>Tank capacity-</b>	
<b>Engine oil <sup>2</sup></b>	up to 25 ltr
<b>Hydraulic oil <sup>2</sup> (ISO VG 46)</b>	up to 60 ltr
<b>Gearbox oil <sup>2</sup></b>	up to 15 ltr
<b>Insert change interval</b>	
<b>Fuel</b>	100-150 hours
<b>Engine oil</b>	100-150 hours
<b>Hydraulic oil</b>	300 hours
<b>Gearbox oil</b>	300 hours
<b>Bio diesel</b>	100 hours
<b>Water absorbent</b>	yes

<sup>1</sup>The patented micfil ultra fine filter insert consists of a tear-resistant fiber mesh with woven in cellulose fibers of the highest quality. The filtration performance is down to 0,5 µm (microns).

<sup>2</sup>Two or more filters can be installed in line for increased flow rate/tank capacity.

\*Filters for 20 bar upon request.