

**Specification AL 150/300/600**

	<b>AL 150</b>	<b>AL 300</b>	<b>AL 600</b>
<b>Particle size (1) (ISO 4406)</b>	<b>0.5 micron</b>	<b>0.5 micron</b>	<b>0.5 micron</b>
Housing material	Aluminium Almg 4.5	Aluminium Almg 4.5	Aluminium Almg 4.5
Height, overall	170mm	340mm	640mm
Diameter at flange	170mm	170mm	170mm
Diameter at base	130mm	130mm	130mm
Weight	2.37 kg	2.69 kg	3.75 kg
Weight of element	0.22 kg	0.52 kg	1.04 kg
Volume	2 Ltr	4 Ltr	8 Ltr
Inlet/Outlet connections	1/2" id	1/2" id	1/2" or 3/4" id
Max Pressure *	10 bar (20 bar)	10 bar (20 bar)	10 bar (20 bar)
Temperature Range	-20°/120°C	-20°/120°C	-20°/120°C
Flow rate/fuel (2)	350 Ltr/hr	700 Ltr/hr	1400 Ltr/hr
Tank capacity engine oil (2)	Up to 50 Ltr	Up to 100 Ltr	Up to 300 Ltr
Tank capacity hydraulic oil (2) (ISO VG 46)	Up to 250 Ltr	Up to 500 Ltr	Up to 750 Ltr
Tank capacity gearbox (2)	Up to 125 Ltr	Up to 250 Ltr	Up to 375 Ltr
Element change interval - fuel	800 - 1000 h	800 - 1000 h	2000 h
Element change interval - engine oil	500 - 600 h	600 - 800 h	1000 h
Element change interval - hydraulic oil	1000 - 1500 h	1000 - 2000 h	1000 - 2000 h
Element change interval - gearbox oil	800 h	1000 h	1500 h
Element change interval - bio diesel	800 h	800 h	800 h
Water absorber	yes	yes	yes

(1) The patented Micfil Ultra Fine Filter element consists of a tear-resistant fibre mesh with woven-in cellulose fibres. The filtration performance is down to 0.5 microns. The element possesses a very high contamination absorption capacity, long life span, lower differential pressure and is water absorbent.

(2) Two or more Micfil filters can be installed in line to increase flow/tank capacity.  
ie: Fuel flow rates from 350 L/h to 15,000 L/h are available.

\* 20 bar Filters available on request

The Micfil Ultra Fine filters are suited for the filtration of engine oil, gear box oil, and hydraulic oil as well as for fuel. With engine and gearbox oil, the filter is placed in a bypass, for fuel it is in the main stream and for hydraulic oil it is in the return.

They can be installed in all engines and all machinery as main filters, or as after-market filters which reduce frictional wear, lengthen the life span and lower maintenance costs of your machinery.

**The Micfil Filter Element can be used for:**

Diesel	Engine oil	Synthetic engine oil	Synthetic oil
Bio oil	Hydraulic oil	Transformer oil	Compressor oil
Petrol	Gear oil	Turbine oil	Heavy oil
Heating Oil	Deep frying oil		

**NOTE:** The Micfil elements are food safe

Differential pressure in fuel flow is 0.00 bar - 0.15 bar at full flow

The Micfil Ultra Fine Filter possesses approximately 20 times higher filtration performance than a standard filter element. Dirt, combustion, oxidation and abrasion particles are continuously filtered out from the oil, thereby minimising abrasion. The remaining smaller particles in the oil do not cause damage, but increase the load bearing capacity (Lubricity) and thermal resistance of the oil. The Micfil Ultra Fine Filter element is manufactured from the highest quality materials, absorbs water and stops formation of acid in the oil.