



# AGIP AQUAMET 210

AGIP AQUAMET 210 is a semi-synthetic cutting fluid free of boron suitable for steel and cast iron.

## CHARACTERISTICS (TYPICAL FIGURES)

### AGIP AQUAMET 210

Viscosity at 40° C	mm <sup>2</sup> /s	95
Appearance of emulsion	-	Translucent
pH (emulsion at 3%)	-	9,4
Herbert corrosion trial - 2% solution	-	0/00
Volume mass at 15° C	kg/l	0,990
Refractometer Factor		1,5

## PROPERTIES AND PERFORMANCES

- micro-emulsions
- excellent anti-rust properties
- high resistance to biological breakdown
- high level of cleaning;
- bio-stability
- excellent emulsion stability, even with water at high levels of hardness (> 35° F);
- absence of boron, chlorine, nitrites and secondary amines.

## APPLICATIONS

- **AGIP AQUAMET 210** is recommended for cutting operation of medium severity and grinding on ferrous metals. It can also be used for the processing of aluminium, copper and their alloys.
- *Here below are reported the suggested concentrations; adjustment can be necessary on the base of the working conditions..*
- *In the case of aluminium, copper and their alloys, always perform the stain test before processing.*

MATERIAL PROCESSED		
<b>MACHINING</b>	Cast Iron - Steel	Aluminium Copper and alloys
Grinding	4 %	4 %
Working Station	6 %	4 %
Turning, drilling, milling	8 %	6 %



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## NOTE

To obtain the best possible results, follow the procedures indicated below:

- before preparing the emulsion, clean and sterilise the tank and the circuits with suitable detergents and bactericides;
- prepare the emulsion using a blender, if possible;
- in the case of manual mixing, it is always best to add the concentrate to water, in order to avoid problems of emulsion instability;
- to prevent deterioration of the product due to sudden changes in temperature or as a result of outdoor display of the containers, it is best to store the product in closed settings, at temperatures between +5° and +30°C.

Detailed information shall be supplied by the Technical Assistance Service.