



# AGIP AQUAMET 205

**AGIP AQUAMET 205** is an emulsifiable cutting fluid with excellent technological characteristics. The product is very rich on oil content and has high lubricating properties. Designed also for copper, aluminium and their alloys and AVP.

## CHARACTERISTICS (TYPICAL FIGURES)

### AGIP AQUAMET 205

PRODUCT		EMULSION	
Appearance	Liquid	Appearance	Milky
Colour	Brown	pH at 3% in water to 20° F	9.4
Mass density at 15° C	0.930 kg/l	Corrosion test at 3% IP 125	Passed
Viscosity at 40° C	29 mm <sup>2</sup> /s	Refractometer factor	1.0

## PROPERTIES AND PERFORMANCES

- Milky emulsion.
- Free of triazinic biocides, boron, chlorine, nitrites, PTBB, phosphorus, phenols, secondary and aromatic amines.
- Excellent cutting, cooling lubricating properties.
- Good antirust properties (IP 125 at 3% 0 / 00).
- Highly resistant to bacterial breakdown.
- Designed for ferrous metals and also for copper, aluminium and their alloys and AVP
- Suitable for soft and normal water, less than 40° F.
- Widely used in turning of small metallic pieces.

## APPLICATIONS

- **AGIP AQUAMET 205** is recommended for operations such as turning, threading and drilling of all ferrous materials, as well as yellow alloys, aluminium and AVP.
- *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			
MACHINING	Cast Iron - Steel	Stainless Steel	Aluminium and alloys	Copper and alloys
Turning	4 %	5 %	5 %	4 %
Working Stations	4 %	5 %	6 %	4 %

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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.