

# REF 400

## COOLING LIQUID FOR WELDING MACHINES

REF 400 is a refrigerating fluid for cooling systems.

### CHARACTERISTICS

Base:	Polymers Refrigerants low-scrolling
Aspect:	Liquid
Colour:	Colourless, odourless
Specific gravity:	1,030 g/cm <sup>3</sup>
Viscosity:	<100 cP
pH:	7/8
Refractive index:	1.369 nD (20°C)
Boiling point:	102°C
Specific heat:	3,9 kJ/kg·K
Heat conductivity:	0,45 W/m·k (25°C)
Electrical conductivity:	2,3 microS/cm (20°C)
Dissolved Chlorinated:	< 2ppm
Dissolved Sulphide:	< 2ppm
Hardness:	<0,1 mol/m <sup>3</sup> (Ca <sup>++</sup> , Mg <sup>++</sup> )
Biodegradability:	Complete
Foaming power:	Null
Solubility:	Soluble in water in any ratio



### PROPERTIES

- It resists up to -20°C
- Not harmful
- Low conductivity
- It doesn't create limestone
- It protects metal from corrosion
- It doesn't contain ethylene dangerous for the rubber parts

### APPLICATION

REF 400 is a cooling liquid for welding circuits, cooling systems and for specific instrumentation. Its antifreeze, protective and permanent mixture at a very low conductivity formulation, allows to work at temperatures between -20 ° C and +120 ° C. It helps the lubrication of rotating mechanisms. REF 400 contains corrosion inhibitors that protect the cooling circuits and it does not attack metals (copper, steel, aluminium, alloys, etc.). According to ASTM 1384 Test. REF 400 is compatible with all plastics and elastomers (PP, PVC, HDPE, EPDM, NBR etc.). The ingredients of REF 400 are listed according to Food and Drug Administration (FDA)-Part 182 - Part 184.

### ISTRUCTIONS OF USE

Add the product without diluting it in the cooling circuit. Before being filled it is important to wash the hydraulic circuits of the machine with water and compressed air to remove the processing rests.

Do not mix REF 400 with other cooling liquids and drain the circuits of the equipment that have contained other types of antifreeze.

### STORAGE

REF 400 has a low slip rate. It is advisable to store the product in its original well-sealed packaging. The product has a shelf life at least of 24 months from the production date.

### PACKAGING

Drums of kg 5-25-50-200  
IBC Plastic Tanks 1000 Kg  
Product Code: 10651/50

### Head office and Production

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### Production since 1957

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