



PRODUCTS COMPLIANT WITH THE RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE (RoHS)

# SELECTARC BRAZING

## PHOSBRAZ AG50

CuP-Ag 5% Manual brazing

Diameter	Standard Package	Standard Length	List Price	Discount
1.5mm	1kg	500mm		
2.0mm	1kg	500mm		
2.5mm	1kg	500mm		

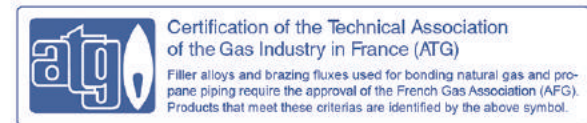
### Characteristics

PHOSBRAZ AG50 is CuP alloy with Silver and lowers the liquids point, the greater the ductility of the brazed joint. This addition also refines the alloy, increasing the brazed joints mechanical characteristics and improving electrical conductivity. This is special alloy for high strength capillary brazing.

This brazing alloy is not recommended to be used for the media having sulphur. Also it is not allowed to use for joining steels (Fe) or materials containing Iron (Fe), Nickel (Ni), Cobalt (Co) as it will form brittle phase in the joint. The corrosion resistance of this alloy is comparable to that of copper excepts, when the joint is exposed to sulphur containing gas or at elevated temperatures. Under these conditions, it is expected that, this alloy will undergo progressive deterioration as other copper phosphorus alloy with Silver or without Silver.

### Applications

PHOSBRAZ AG50 is recommended for hard brazing of copper and optionally copper brass pipes of combustible installations. As well as all low temperature applications. In Air conditioning and refrigeration application, PHOSBRAZ AG50 can be used for the service temperature between +150 °C (without loss in strength) to -50°C. This alloy can be used with flame.



## PHOSBRAZ AG150

CuP-Ag 15% Manual brazing

Diameter	Standard Package	Standard Length	List Price	Discount
1.5mm	5kg	500mm		
2.0mm	5kg	500mm		
2.5mm	1kg	500mm		

### Characteristics

PHOSBRAZ AG150 is CuP alloy with Silver, which lowers the liquidus point, refines the alloy, improving electrical conductivity and increasing ductility due to high % of Ag. Also increase its resistance to vibration and cyclic pressure Polyvalent alloy suitable for copper brazing, without need of using a flux, Good fluidity when brazing sleeves/tubes and copper connections, machine junctions, and so forth, which produce strong leak proof joints. This alloy has good gap filling properties and is well suited to bridge wide gaps. Its low melting temperature gives very good resistance. This brazing alloy is not recommended to be used for the media having sulphur. Also it is not allowed to use for joining steels (Fe) or materials containing Iron (Fe), Nickel ( Ni), Cobalt (Co) as it will form brittle phase in the joint. The corrosion resistance of this alloy is comparable to that of copper excepts, when the joint is exposed to sulphur containing gas or at elevated temperatures. Under these conditions, it is expected that, this alloy will undergo progressive deterioration as other copper phosphorus alloy with Silver or without Silver.

### Applications

PHOSBRAZ AG150 is mainly used in Plumbing, Electrical components, Refrigeration and Heating/Ventilation. An economical alloy used in joining copper to copper. It can also use to join copper to low zinc brasses with Phosbraz flux. In the electric and electromechanic Industry In Air conditioning and refrigeration application, PHOSBRAZ AG150 can be used for the service temperature between +150 °C (without loss in strength) to -70°C. This alloy can be used with flame.



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