

# Copper Emulsion Filter



## 1. Introduction

Copper powder will be generated during drawing because of the friction between copper wire and dies while the wire or cable conductor drawing process. If the copper powder isn't cleaned on time, it will exist in wire drawing emulsion and dies pores. So it will make wire drawing emulsion deteriorate, reduce the service life of drawing dies and drawing wheels and seriously affect the quality of wire surface. So the copper emulsion filter is necessary in the drawing production line.

The copper powder filter provided by us is produced using European technology. It uses a special water flow design to reduce the impact on the filter cloth. The electromechanical control automatically moves the cloth. The stainless steel mesh design is convenient and easy to use. It is a guarantee for the production of excellent quality copper wire. Can be used for cleaning and filtering of copper wire drawing processing lubricant. According to different types of filter cloth, the filtering accuracy can be (10-50)  $\mu\text{m}$ . It adopts chain mesh transmission to make the filter cloth goes full-automatically, the filter cloth reeling is equipped with water level sensor and the chain gear is synchronous. It could keep the drawing emulsion clean in case of deteriorating, remove the copper powder in drawing emulsion, extend the service life of dies and wheels; reduce the broken line rate and increase the output; use gravity reflux instead of emulsion pump to save power.

## 2. Features

- (1) Using stainless steel chain mesh transmission, the tension of the filter cloth is always the same, and the cloth goes smoothly without curling;
- (2) Automatic control of cloth feeding, saving filter cloth cost;
- (3) Reducing plate heat exchanger clogging and avoid frequent heat exchanger cleaning.

## 3. Main Technical Parameters

We can provide various types of copper emulsion filters, main technical parameters are as follows:

TYPE	LT-FT-175	LT-FT-250	LT-FT-500	LT-FT-750	LT-FT-1000	LT-FT-1500	LT-FT-2000
Flange diameter (mm)	DN65	DN65	DN100	DN100	DN200	DN200	DN200
Width of filter-cloth (mm)	500	710	710	1000	1000	1500	2000

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Filtering capacity (L/min)	Max.175	Max.250	Max.500	Max.750	Max.1000	Max.1500	Max.2000
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Product link : <https://www.linttop.com/copper-emulsion-filter.html>