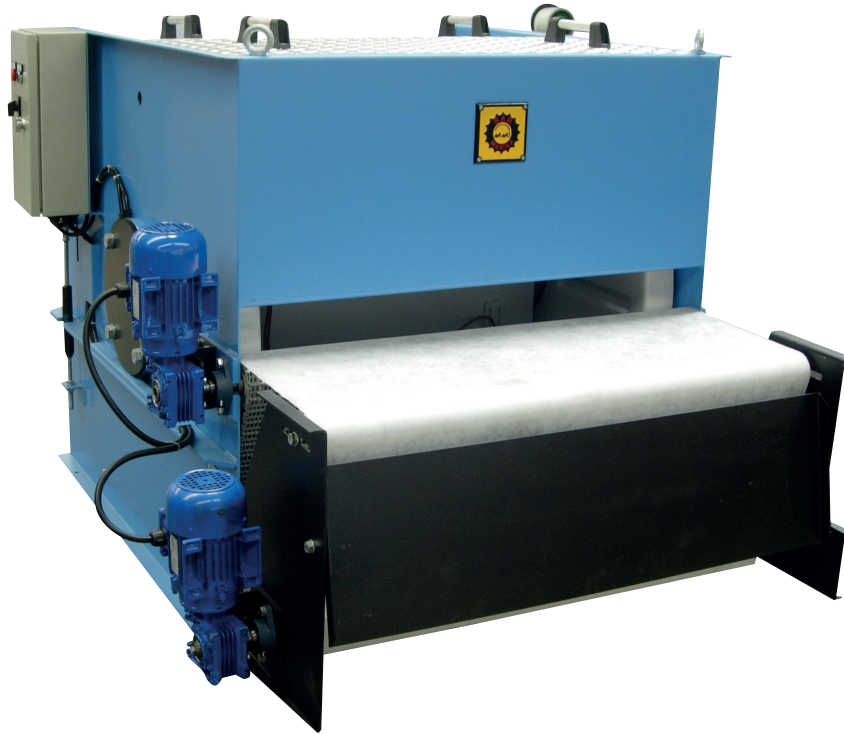




SBF TYPE DRUM BAND FILTER



Designed in compact mode for the purpose of filtering of various soluble oils, emulsions and cutting liquids.

WORKING PRINCIPLE

- ➡ Filtering is performed in a semi cylindrical container, under approx. 300-400mm hydrostatic pressure.
- ➡ Filter paper placed between the cylindrical wheels and carrying AISI 316 conveyor belt situated at both sides of the filter assures filtering of liquid under hydrostatic pressure.
- ➡ After having the formation of cake on top of the filter paper, the filter paper becomes watertight. Consequently; the liquid level rises to a known elevation and the moving of the conveyor assures the clean paper to appear on the filtering area. The contaminated paper area secures flow on to the collecting container.
- ➡ Following appearance of the clean paper, the conveyor stops automatically.

APPLICATION AND SPECIFICATIONS

- ➡ Filters are used in metal industry to filter semi synthetic or fully synthetic oil based mineral emulsions prepared with water; especially used with wire drawing machine emulsion at copper wire processing industry. Additionally; filters are used with CNC lathes, CNC milling machines, grinding machines, wire erosion benches.
- ➡ For protection against corrosive effect of soluble oil and cutting liquids to which the conveyor is directly exposed; the conveyor belt, driving mechanism and driving shafts are fabricated from AISI 316 stainless steel material.
- ➡ SBF Type Drum Band Filter works automatically. Therefore; operational and maintenance expenses are very low.