

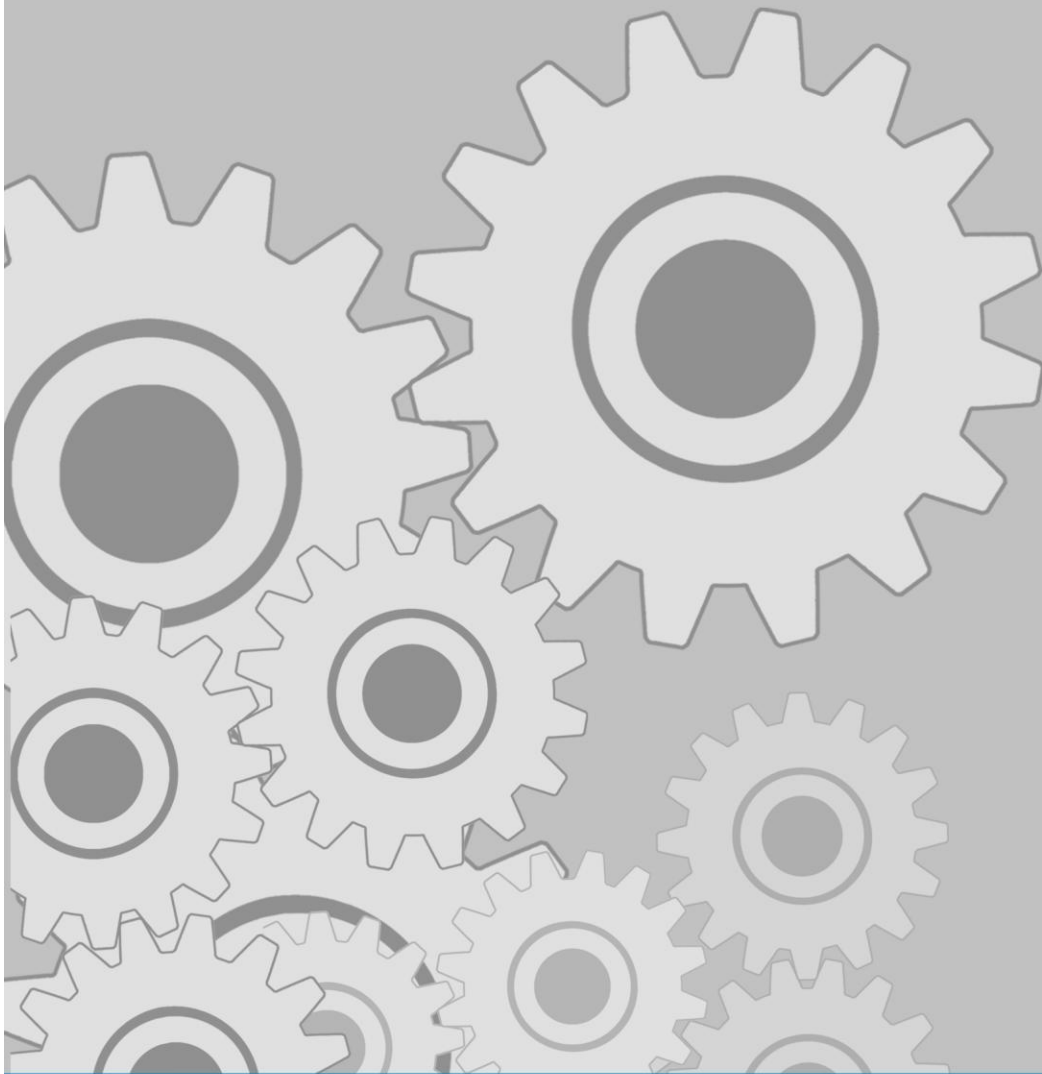


**MAG TOOLS**

MACHANICAL TOOL FILTRATION SYSTEMS & CONVEYORS

# MAG TOOLS

Paper band cum magnetic coolant filter



The ultimate dependable  
and efficient filtering systems

## DESIGN

Mag Tools paper Band Filtering unit is fabricated in steel. This entire unit is fixed on a coolant tank With a pump to supply coolant to the machine. The filter is speed over an endless steel mesh convey or which is connected to a geared motor. This uniquely designed conveyor privets over flowing of the liquid and the full width of the filtering paper is used. The movement of the filter paper is controlled by a float switch which actuates the geared motor. Mag Tools Paper Band Cum magnetic coolant Clarified involves our ATP or TAP model magnetic coolant clarifier. The power full magnetic is driven by heavy duty guard motor designed to run continuously.

## OPERATION

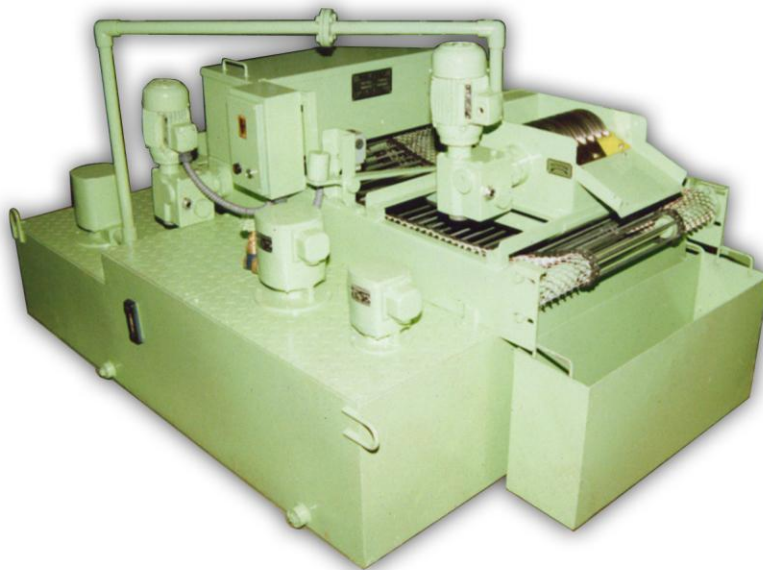
The contaminated coolant liquid is first passed through the magnetic filter which separates almost 95% of the ferrous partials. The liquid farther passed through the filter paper where all the non ferrous partials like girding grit, stainless steel, brass or aluminum or filtered. As the porosity of paper gets filled up due to accumulation of the contaminates the liquid level rises. This triggers the float which starts the gear motor and fresh paper from the reel is pulled forward automatically. Now the liquid passes through the fresh paper and the float switch shuts down the geared motor. If required a push button switch may also be used for manually operating the geared motor and to bring the fresh paper forward.

## APLICATION

Paper Band cum magnetic coolant clarifiers offer the excellent means of filtering both ferrous And non ferrous particles. where high degree purification is required and contaminates differ in form, size and composition. paper band filtering system as a rules gives best results. paper band filtering is recommended for girding, honing, transfer lines and machining center. it also can be used for rolling mills for filtering coolant which helps to improve the surface finish to the sheets.

## ADVANTAGES

- 1.highly efficient way of filtration guarantees fine finish, dimensional accuracy, increased tool life.
- 2.Keeps your machine clean & reduces costly machine down time for periodic cleaning.
- 3.avoid bacterial growth & Wastage of expensive coolens.
- 4.Since the complete filtration system is automatic, No manual attention is needed.
- 5.Where heavy stock removal increases the temperature of the coolant. This system of filtration due to sufficient exposure to air helps to control the same.

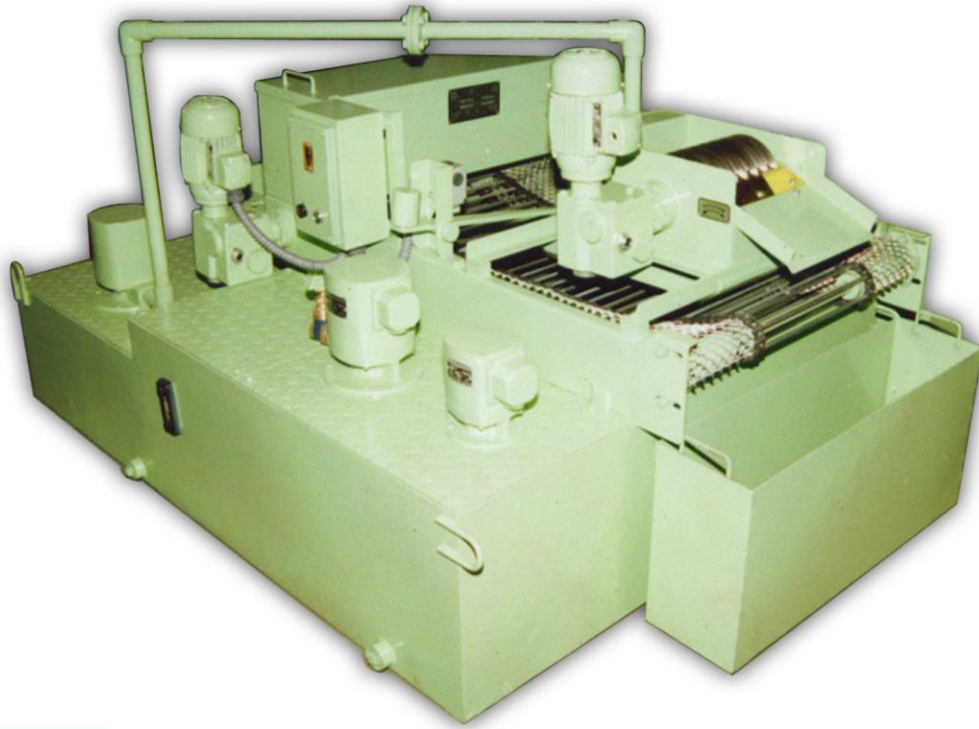


Dimensional specification for paper band cum magnetic and paper band filters.

Model		Flow in liters/min.				W	Tank capacity	
		Cutting oil	Emulison	L	LT		WP	in liters
PBMF	50	35	50	1100	1300	550	450	150
PBF								
PBMF	50	45	65	1200	1400	800	700	200
PBF								
PBMF	50	65	100	1600	1800	800	700	300
PBF								
PBMF	50	100	150	1600	1800	1000	900	375
PBF								
PBMF	50	130	200	2000	2200	1000	900	440
PBF								
PBMF	50	200	300	2300	2500	1000	900	575
PBF								
PBMF	50	250	400	2000	2200	1470	1370	570
PBF								

**NOTE :** All dimention are in mm.

- The pump capacities will be according to the capacity of filter.
- Filter 200 liters/min. and above will be supplied with two or more pumps
- Filter more than 400 liters will also manufactured as customers requirements.
- The specification for magnetic coolant filters will be as per our catalogue



## FEATURES

- ▶ Filters both ferrous and nonferrous particals.
- ▶ Compentely automatic operation, no manual Attention needed.
- ▶ Continuous trouble free operations.
- ▶ Prevents wastage of coolant.
- ▶ High surface finish and dimensional accuracy on jobs guaranteed.

The Demention and specification are subject to change without notice as the items mentioned above are improved constantly

## MAG TOOLS

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