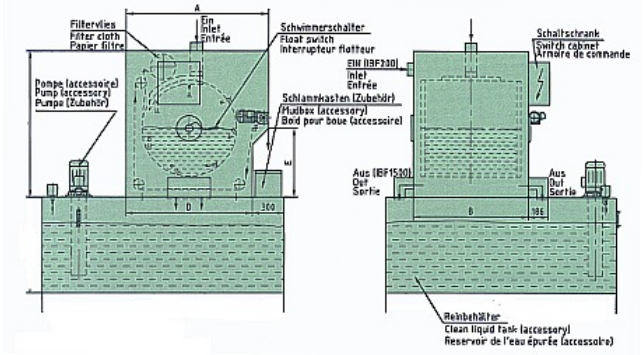
Type	Filtration capacity		Dimensions mm					Connection
	Emulsion	Oil* (10mm2/s)	A	B	C	D	E	On
IBF200	200	150	900	470	1085	755	535	R1 1/2"-AG
IBF400	400	300	900	820	1085	755	535	R2 1/2"-AG
IBF600	600	450	900	1090	1085	755	535	R3"-AG
IBF1000	1000	750	1350	1090	1365	1200	625	R4"-AG
IBF1500	1500	1130	1350	1635	1370	1200	645	2xR2 1/2"-AG



This type of filter can be used in all treatments where small chips and fine particles are to be filtered out of liquids even if these are of a rather high viscosity. This type of filter has proved its worth and efficiency not only in machining stations, but also in grinding machines, honing machines and wash water conditioning. This filter can be used as an individual system, but also for supplying several machines simultaneously.

Function

Two disk wheels form the thrust bearing for the circulating supporting belt. The non-woven filter is drawn in between these disk wheels by a motor. During this procedure, the non-woven filter forms a circular arc-shaped filtration basin sealed on both sides. The coolant is fed in smoothly through a flat distributor. The incoming liquid flows in the transport direction of the non-woven filter and ensures that the non-woven is kept clean in the feed zone while maintaining a good permeability. The particles to be filtered out deposit in the calmed liquid zone where they form a filter sludge cake taking on to an increasing extent the effect of a filtration auxiliary and so even retaining the smallest particles. After saturation of the non-woven filter, the liquid level in the filter cavity increases. Once the maximum liquid level has been reached, the level switch will set the gear motor into operation. The non-woven filter is renewed automatically, and the section charged with sludge is discharged at the opposite side.

Structure

· Solid steel plate housing
· Admission through a distribution box
· Discharge through the bottom side of the filter
· Steel honeycomb band serving as a support for the non-woven filter
· Helical gear motor ensuring the drive (optional)

Advantages

· Continuous operation
· Minor space requirements – low maintenance requirements
· Reduced consumption of non-woven filter material
· Longer service life of the cooling lubricant
· Quality of the filtration medium can be adjusted to the production process.

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