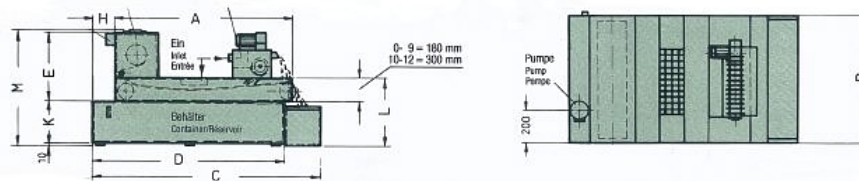




Type	Filtration capacity		Dimensions mm						Container volume			
	Emulsion	Oil* (10mm <sup>2</sup> /s)	A	B	C	D	E	H	Vol	K	L	M
FA 2/0	20	18	700	620	950	750	500	150	70	260	450	825
FA 4/1	40	30	850	620	1100	900	500	150	125	340	530	905
FA 6/2	65	45	1180	620	1580	1380	500	300	160	260	450	825
FA 10/3	105	80	1360	820	1760	1560	540	300	215	280	470	885
FA 16/4	160	100	1720	820	2120	1920	540	300	294	280	470	885
FA 21/5	210	150	1820	1090	2270	1970	540	300	425	300	490	905
FA 28/6	280	200	2400	1090	2850	2550	540	300	550	330	520	935
FA 35/7	350	260	3000	1090	3450	3150	540	300	840	350	540	955
FA 45/8	450	350	4000	1090	4450	4150	540	300	973	310	500	915
FA 58/9	580	440	5000	1090	5450	5150	540	300	1100	290	480	895
FA 58/10	580	440	3000	1600	3450	3150	810	300	1090	330	640	1205
FA 78/11	780	590	4000	1600	4450	4150	810	300	1435	330	640	1205
FA 100/12	1000	750	5000	1600	5450	5150	810	300	2025	380	690	1205



Automatic Filter Devices are designed for an automated purification of cooling lubricants. They are used in:

- Honing, grinding and glass grinding machines
- Tempering plants
- Washing plants

**Function**

The soiled cooling lubricant is conveyed onto the non-woven filter lying in a cavity, via a liquid feed distributor. Owing to the gravitational force the coolant flows through the non-woven filter into a liquid container beneath the band filter. The dirt particles contained in the cooling lubricant are filtered out by the non-woven filter and accumulate in the form of a sludge cake on it. This causes a reduction of the permeability of the filter paper and, therefore, an increase of the liquid level above the filter cavity. As the liquid level increases, an adjustable float-type switch controls the continuous transport of the non-woven filter driven by an electric motor. This way, non-woven filter clogged with dirt particles is discharged automatically driven by the quantity and permeability of the dirt accumulations. The dirty non-woven filter is conveyed into a sludge box installed at the end of the Automatic Filter device and can be removed from there without affecting the filtration process in any way. A Magnetic Filter Roll installed upstream allows the extraction of any ferritic dirt particles already before introducing the liquid onto the band filter, leading to a considerable reduction of paper consumption.

**Structure**

- Solid steel plate design
- Closed non-woven storage box
- Endless wire mesh band serving as a support for the non-woven filter
- Discharge via the bottom side of the filter
- Helical gear motor or synchronous motor ensuring the drive
- Warning message: "non-woven lacking" (optional)