

MSE FULLY AUTOMATIC FILTER PRESS

VFP 400 - 2000

The fully automatic filter press ensures continuous operation and allows an unmanned production in solid-liquid separation. Fully automatic filter presses are specifically designed for applications in which a continuous operation and fast cycle times are essential and therefore crucial. MSE fully automatic filter presses provide a high degree of automation while providing uninterrupted operation at the same time. The option of the simultaneous filter plate opening system, for example, helps to realise a particularly fast cake release reducing the cycle time to a minimum. The result is a high-speed filter press that allows increased production per unit area of filter. For this reason, these machines are used in applications with highly filterable products where high filtration speeds are required. These include, e.g. mining concentrates and residues.

OPTIONS FOR A FULLY AUTOMATIC FILTER PRESS

MSE also has several systems/plants for fully automated filter presses. This means that we have the right solution for all applications. All systems are self-monitoring and can be parametrised by the operator and optimised accordingly. In essence, there are 3 different systems. These include, e.g. the vibration device with eccentric beams and a simultaneous filter plate opening system, the vibrating device for individual filter plates and the spreader clamp/spreader cloth version.

FULLY AUTOMATIC FILTER PRESSES FROM MSE INCREASE PRODUCTIVITY AT THE SAME TIME REDUCING PERSONNEL COSTS

The operating time of a fully automatic filter press is 24/7. Although a daily check of the filter press is necessary. This only involves personnel costs of about 2 hours per day which is well below the value of a manually operated filter press.



BENEFITS OF MSE FULLY AUTOMATIC FILTER PRESSES

- High level of automation and at the same time trouble-free operation
- Extraordinary versatility through extension modules and other automation options
- Simple and economical filtration thanks to the highest degree of dewatering and shorter cycle time
- Low personnel costs due to fully automatic execution
- High level of security through the use of the latest security technology
- Especially suitable for highly filterable products with high filtration speed
- Meet the standards of industry and community

Size	Pressure max.(bar)	Max. chamber vol.	Filter cake thickness	FilterCloth Acidification	FilterCake blow drying	FilterCloth washing	FilterCake washing	Plate shifter	Core blowing/ core rinsing	Spreader cloth	Vibrating device I	Vibrating device II	Membrane technology	Splash guard	Corrosion protection
VFP 400	30	148	15-50mm	+	+	-	-	-	+	+	+	X	-	+	+
VFP 470	30	208	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 500	30	295		+	+	X	X	X	+	+	+	X	X	+	+
VFP 630	30	576	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 800	30	1288	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 1000	30	2530	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 1200	30	4104	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 1500	30	9594	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+
VFP 2000	30	20360	15-50mm	+	+	X	X	X	+	+	+	X	X	+	+