

# MSE MOBILE FILTER PRESS PLANT

## MO-FP 400 - 1200

Mobile filter presses are particularly suitable for dewatering sludge from several plants at regular intervals or for compensating capacity peaks and bottlenecks. The fact that mobile filter presses are not subject to approval obligation and are therefore quickly and unbureaucratically available is particularly interesting. MSE mobile filter presses are fully equipped and immediately ready for operation after connection of the sludge, water and power supply.

### TECHNOLOGY OF MOBILE FILTER PRESS PLANTS

Mobile filter press plants can be implemented in many different designs. Chamber filter presses or membrane filter presses (with 16 bar or 25 bar operating pressure) are optionally available and depending on the application, the appropriate feed pump (piston membrane or eccentric screw pumps). The sizes of the mobile filter presses are available up to a maximum size of 1200. This corresponds to about 100 chambers and about three cubic meters of chamber volume. The mobile filter presses are delivered on a semi-trailer or truck trailer, according to the dimensions and the permissible weights pursuant to the StVZO [Road Traffic Licensing Regulation]. The conditioning of the sludge is mainly carried out with polyelectrolytic flocculants (PE). Further methods are lime/iron conditioning and dosing of solid filter aids. The plants are therefore equipped with suction and pressure-side inline mixers. The PLC plant controls the conditioning parameters in proportion to pressure and/or volume.

### EXTRAORDINARY VERSATILITY DUE TO EXPANSION AND AUTOMATION OPTIONS

All filter press plants are equipped with the necessary equipment such as sludge feed, polymer preparation plant, screw conveyor for cake transport, etc. One operator is sufficient to operate a mobile filter press plant. However, the operator's tasks are limited to monitoring the plant and unloading the filter press after each batch.



### BENEFITS OF MSE MOBILE FILTER PRESS PLANTS

- Simple and economical filtration through maximum flexibility and mobility
- Extraordinary versatility through expansion modules and automation options
- Compact and robust design for trouble-free and reliable operation
- High level of security through the use of the latest security technology
- Sludge conditioning by means of the suction and pressure side inline mixers equipped in the systems
- Complete filtration plant is mounted on a semi-trailer according to the german StVZO
- Low operator intervention leads to cost savings
- No approval required, thus quick and easy deployment
- Stainless steel version on request

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
MO-FP 400	30	148	15-50mm	+	+	-	-	-	+	+	+	+	-	X	+
MO-FP 470	30	208	15-50mm	+	+	+	+	+	+	+	+	+	+	X	+
MO-FP 500	30	295		+	+	+	+	+	+	+	+	+	+	X	+
MO-FP 630	30	576	15-50mm	+	+	+	+	+	+	+	+	+	+	X	+
MO-FP 800	30	1288	15-50mm	+	+	+	+	+	+	+	+	+	+	X	+
MO-FP 1000	30	2530	15-50mm	+	+	+	+	X	+	+	+	+	+	X	+
MO-FP 1200	30	4104	15-50mm	+	+	+	+	X	+	+	+	+	+	X	+