

OIL FILTER-COMPACTOR TYPE AFP 1100

The fully automatic semi-mobile oil filter compactor system type AFP 1100 is characterized by its compactness and high performance of up to 2'000 kg/h. The oil filters are compressed and the residual oil pressed out. The largely drip-free oil filters are discharged into a collection box.

Thanks to its structure on a roll-off frame, the system can be used anywhere.



Function

The oil filter-compactor system has been specially developed for the compression of used oil filters from cars, trucks and construction machinery. The oil filters are collected in barrels with lids at the points of use (car garages, maintenance companies etc.) and transported to the processing site by truck or train.

The oil filters are subjected to a visual inspection before processing in order to remove small parts, contaminants and cast steel filters. The filters are then fed to the compression unit via a special conveyor and compressed. The pressed oil filters are largely freed from adhering oil with a special discharge floor under a strong air current. The waste oil obtained is used as a substitute fuel for the cement industry, the metals are sent to scrap recycling.

RESULT: Pressed oil filters and waste oil which have an interesting value on the disposal market.

Advantages

The fully automatic oil filter compression system AFP 1100 is characterized by the following points:

- High safety standard (explosion protection)
- Simple operation (manual or fully automatic) with an on-site control unit
- Flexible location positioning, the entire compressor system is built on a standard roll-off frame
- Little space requirement, does not require a roofed installation site
- Can be used for compressing full and empty oil filters
- The press unit does not have any cutting edges, which guarantees minimal wear
- Level monitoring of the oil tray; if the oil level is too high, the system switches off
- No building permit required as it is semi-mobile

Included:

- Robust steel construction, primed and painted in one colour (RAL colour)
- With a lift-tipper for 200 litres lidded barrels for a dosed charge of the filters to the manual sorting table
- Manual sorting table for pre-sorting small parts, impurities, metals and cast filters
- Collection tray for collecting the used oil
- Spiral conveyor for continuous feeding
- The rear door is electrically protected for removing the box with the filter pellets
- Ready for operation with a hydraulic power pack and an air cleaning system
- Feeding of the system 100 amp.
- Manual twice in German, CE-compliant
- No oil separator necessary, due to the collection tray

Technical data	
Model	Oil filter-compactor AFP 1100
Design	Mobile oil filter compaction system, built on an ACTS roll-off frame, with a tarpaulin structure as weather protection
Function	Fully automatic compression system for empty and full oil filters
Feeding	With a lift-tipper for 200 litres lidded barrels
Hand sorting	Manual sorting table for pre-sorting small parts and impurities
Spiral conveyor	With spiral conveyor as dosing unit, filling volume up to 4 m ³
Pressing unit	Hydraulic swing flap press unit without cutting edges, as a vertical through-flow
Integrated cleaning system	Air cleaning fan for cleaning the pressed oil filter
Protection grids	Slidable safety barrier for the entire loading device
Central control	Electric central control for all functions of the oil filter press (without oil suction pump)
Under construction	For pallet boxes 1'200 x 1'600 x 900 mm (without box)
Transport	With linkage for chain systems + hook systems
Collection tray	Oil collection tray with a capacity of 2,000 litres
Engine	30 kW, 2.5 kW, 400 V / 50 A / 50 Hz., Backup fuse 100 Amp.
Dimensions l x b x h	8'500 x 2'500 x 3'200 mm
Press force	130 tons
Capacity	Up to 2'000 kg/h
Weight	Approx. 18'000 kg
Painting	RAL 7024 graphite grey or in any RAL colour desired



The lift-tipper feeds the full barrel into the hopper of the manual sorting table



Fan for cleaning the pressed oil filter



Oil collection tray with accessible grating segments, incl. level monitoring



Complete machine with tarpaulin structure