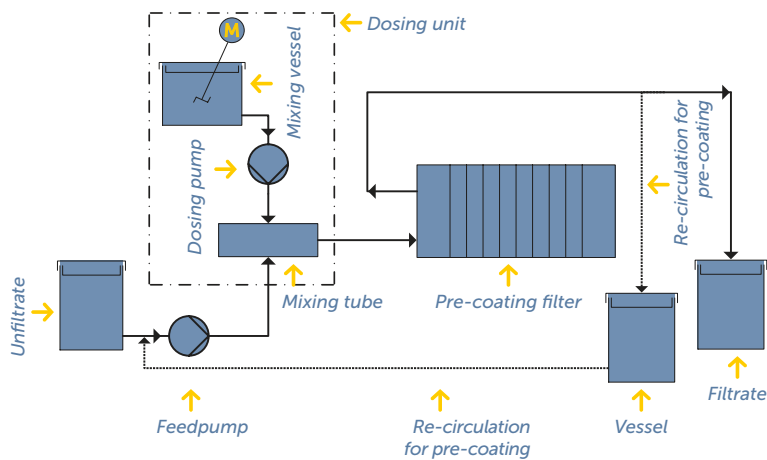


STRASSBURGER
FILTER 



KIESELGUHR DOSING UNIT DOS 500

The kieselguhr dosing unit from **Strassburger Filter** guarantees uniform mixing and precise adjustment for dosing of the filter aid.



Main benefits of kieselguhr filtration

- high filtrate capacity even with problematic turbidity
- polished filtrate
- cost saving with filter beds

Design

A mobile stand supports the **dosing and mixing vessel** including a hinged lid and an agitator with a geared motor and an infinitely variable dosing pump designed as a piston diaphragm pump with an upstream diaphragm. The agitator gear unit with a magnetic rotary field drive allows the vessel to be opened and filled during operation. The mixing vessel and all supporting parts and parts coming into contact with the product are made of stainless steel. Larger systems available on request, including as stationary versions.

Mode of operation

Depending on the size of the **dosing vessel**, the appropriate quantity of kieselguhr is prepared with the liquid to be filtered in the agitator vessel. The adjustable dosing pump delivers the batch of kieselguhr to the mixing tube, which is used to convey the flow of liquid to the filter. Adjustment of the dosing pump capacity depends on the degree of turbidity of the product to be filtered and/or the volume of the pre-coated filter. The **dosing unit** is connected in the inlet between the pump and filter (see diagram). Operating at a high capacity at the start of filtration, the dosing pump ensures fast build-up of the precoat in the kieselguhr filter, with the filter initially being run in the cycle. As soon as the run-off becomes clear, the system switches to the filtrate vessel, and the capacity of the dosing pump can be reduced.

Type	Filtration capacity	Dosing capacity	Vessel volume	Vessel	Dimensions
DOS 500	40-80 hl/h	0-780 l/h	170 l	d 630 x h 600 mm	1310 x 780 x 1320 mm
DOS 500I	80-180 hl/h	0-780 l/h	380 l	d 700 x h 1000 mm	1270 x 720 x 1220 mm

As additional equipment we also offer a dust removal system using a Venturi injector and a CO₂ gassing unit.