

## FILTER DRYER

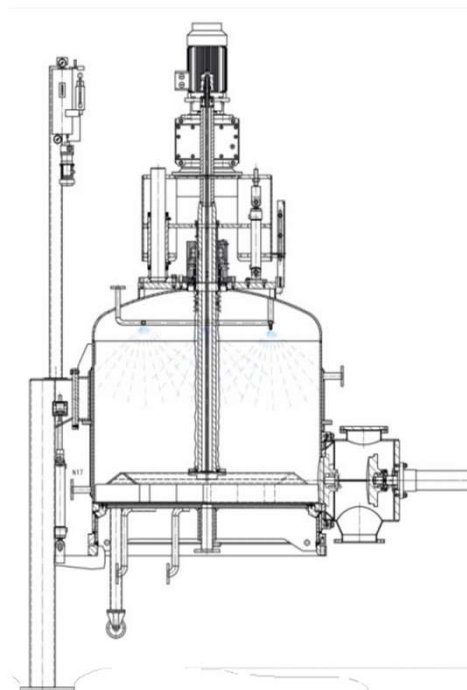


## DESCRIPTION

Filter dryers are ideal for filtering suspensions with a low or high solids content and for further treating the resulting filter cake.

Process steps such as slurring, washing and drying can therefore be carried out in the same device.

The liquid is separated mechanically using vacuum or overpressure or a combination of both. After the mechanical separation of the liquid portion, the residual moisture is thermally evaporated, thus achieving a high degree of drying of the dry substance. For this purpose, the containers of the Nutsche filter and often also the agitator are designed to be heated. A special agitator improves the efficiency of the filtration and drying and enables the mechanical removal of the solids. ZETTL (vacuum/pressure) Nutsche filters consist of a self-contained, vacuum-tight and heated housing. Filter media in different mesh sizes/pore sizes can be attached to the filter base.



Filter dryer

## APPLICATION

### Pharmaceutical industry:

Active ingredients  
Penicillin  
Antibiotics  
Synthetic vitamins  
Proteins  
Plant extracts

### Chemical industry:

Polymers  
Pigments  
Pesticides  
Surfactants  
Fungicides  
Cosmetic raw materials

## TECHNICAL DATA

Working temperature:	-10° to 200° C
Working pressure:	- 1 to 10 bar
Filter surface:	0,12 to 12 m <sup>2</sup>
Suspension volume:	50 to 12.000 litres
Material:	all stainless steels up to Hastelloy C22
Design option:	ATEX   FDA   GMP   CIP

