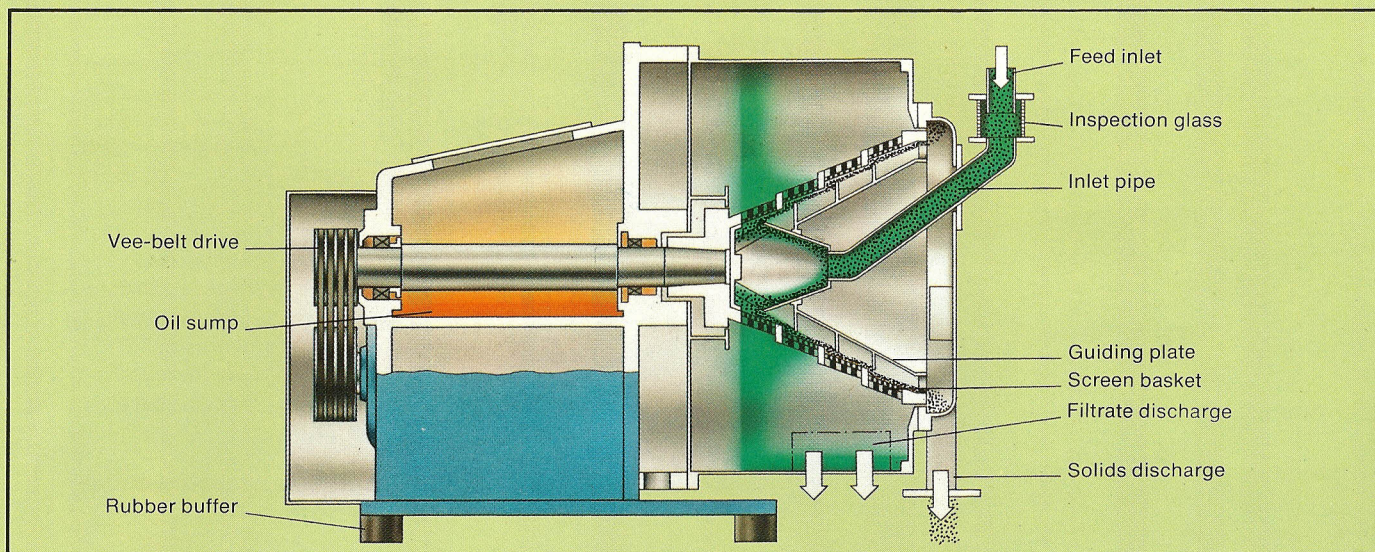


Sliding Discharge Centrifuge TURBO-CASCADE



Description

This screen centrifuge was developed for dewatering solids with uniform particles from about 0.5 mm upwards.

The particles slide individually, not as a compact layer, over the sieve which, for better dewatering, has been subdivided into steps or "cascades". Guide plates which rotate with the basket carry a mixture of air and solids direct over the sieve and prevent them from jumping sieve segments. The solids are subjected to the centrifugal force for only a very short time but the surface moisture can, depending on the nature of the product, be reduced to some tenths of a percent.

In accordance with the requirements and operational conditions one uses perforated sheet or slot sieves which, thanks

to the special guidance of the products, are not blinded by pointed particles.

As a rule the TURBO-CASCADE is gas- or vapourtight with recirculation into the housing of the circulating air which is separated from water in a cyclone. The dewatered solids are discharged tangentially via a pipe which can be swivelled in any direction. If required we can supply machines for pre-dewatering and for the removal of coarse particles or agglomerates.

In order not to exceed the capacity of the centrifuge by unnecessarily large quantities of water, we can, on request, deliver prethickeners (or static dewaterers).

Sliding Discharge Centrifuge "TURBO-CASCADE" used successfully for:

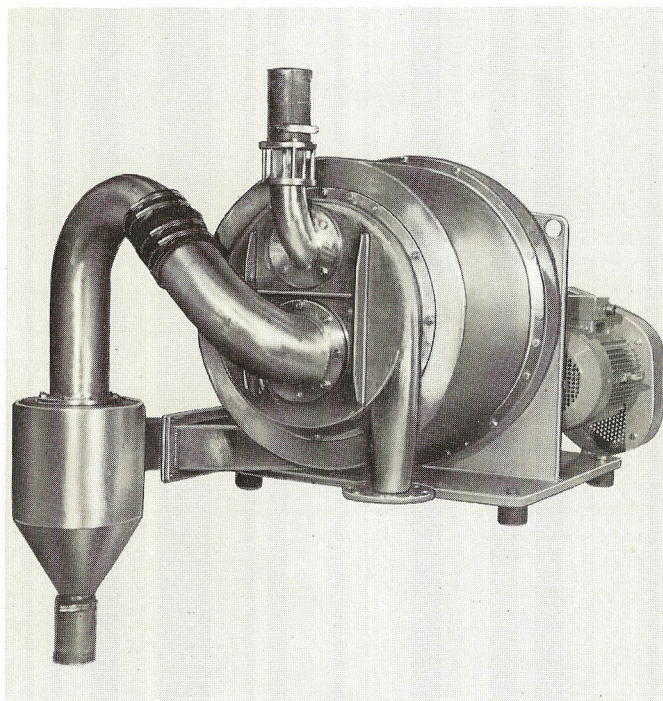
nylon 6
nylon 66
polyester
polypropylene
polystyrene beads

Standard executions

Type	TC	400	520	700
Feed capacity ¹⁾	about t/h	3	6	12
Drive motor	kW	7.5	11	22
Approx. length	mm	1250	1550	1900
Approx. width	mm	800	1450	1800
Approx. height	mm	850	1350	1700
Approx. weight	kg	650	1250	1800

¹⁾ The actual capacities depend on the properties of the material and their separation characteristics.

We reserve the right to make changes which serve technical progress.



Sliding discharge centrifuge TURBO-CASCADE C 400 with filtrate cyclone and air recycle facility