

Robust and reliable dewatering Thickener EFK



Thickening is an important process step for increasing the stock consistency as required for further processing, minimizing storage volumes and water loop separation.

The Thickener EFK from Voith provides permanently reliable operation and has proven to be an ideal solution for numerous installations. Its compact and robust design makes the EFK thickener an economical solution for different areas of application.

Your benefits with Thickener EFK

- + Robust and reliable operation
- + Versatile for any application
- + High specific dewatering capacity
- + Easy to operate and easy to clean
- + Virtually maintenance-free

Solid and flexible all-rounder

Steady operation at any time – this is what Thickener EFK is known for. It reliably delivers accept consistencies of 4 % to 6 %. Its strong design makes the EFK thickener insensitive to process variations. Fluctuating inlet consistencies and changes in furnish are easily handled. The circular ring dewatering segments consist of a metal wire, which is embedded in a glass fiber reinforced frame. The metal mesh is resistant to foreign parts and, if needed, it can be cleaned with a high-pressure shower without being damaged. Since years, papermakers appreciate the robustness of the Thickener EFK.

High effectivity meets compact design

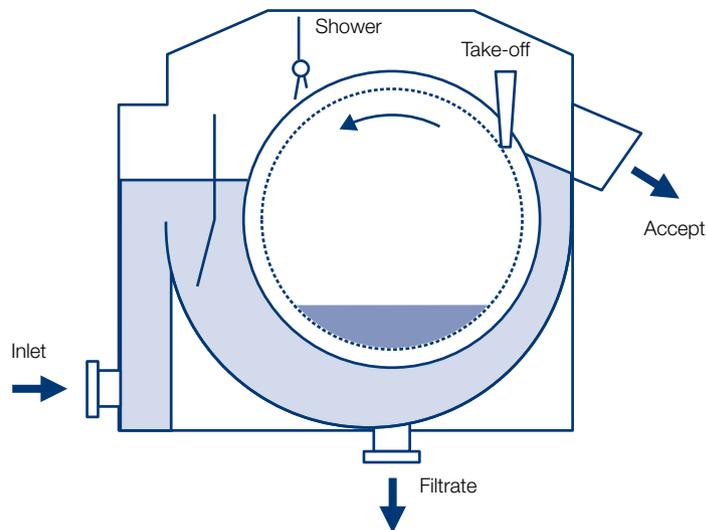
Thickener EFK works purely by gravity. Discharge of the thickened stock is supported by non-contact take off devices via an adjustable overflow weir. Unlike conventional gravity drum thickeners, the EFK thickener consists of circular ring-type dewatering segments.

Compared with a flat cylinder, the segments have four times the dewatering area at the same diameter and operating length. Its compact design allows the EFK thickener to be installed in almost any location. Filtrate is discharged under atmospheric conditions via gravity. Its closed housing assures that neither stock nor fumes can escape, so its environment stays clean.

Areas of application

Thickener EFK is suitable for thickening pulp prior to a screw press or storage chests. In the broke preparation, it evens out consistency fluctuations, enhances storage capacity and thus contributes to stable paper machine operation. To a lesser extent, it can also be used to remove ash from the stock suspension and to recover fiber from side streams of the process. Due to its flexibility, the EFK thickener is appropriate as an economical solution especially for small lines with frequent grade changes.

Functional principle of Thickener EFK



Voith Paper GmbH & Co. KG
St. Poeltener Str. 43
89522 Heidenheim, Germany
Tel. +49 7321 37-0



paper@voith.com
www.voith.com/paper

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