

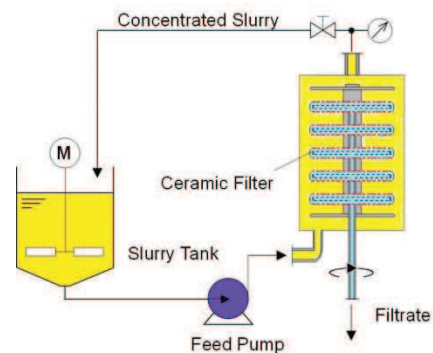
Slurry Washing and Dewatering

Dynamic flow filtration System

Rotary Filter "R-Fine"



R F cross-section view



Slurry washing Process

Summary

R-Fine is a filter having ceramic filter of ultra-microscopic pore and employing the same mechanism as Rotary Filter. By this, it has realized the continuous and clarifying filtration in nano slurry. It can apply to the precise washing of nano slurry.

Features

- Extraordinary clarifying filtration: Realizing to capture even nano size particle completely by means of a specified ceramic filter having ultra-microscopic pore.
- Slurry washing: High efficiency washing with a little water. Possible to wash precisely under being the slurry condition.
- Cross flow filtration mechanism is generated by not high flow rate of slurry but rotation of ceramic filter. This gives the merit which is no need to set the high flow pump.
- Compact design: Capacity per unit filter area is very high. Possible to save the space.
- High safety: Possible to perform acid and alkali with safety due to the sealed structure
- Easy to control the solid concentration: Easy to control the solid concentration correspond to post-process.

Application

Washing and concentration in Nano slurry, Removal of nano size particles, Precise filtration

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