

Experimental Verification of a Novel Hydrocyclone Design

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Abstract

A novel hydrocyclone design is proposed. Experimental results verify that by installing a tubular baffle between the inlet and the vortex finder of the hydrocyclone, the short-circuiting of coarse particles can be completely eliminated. The proposed novel hydrocyclone design makes a much sharper classification than the original design.

Keyword : Novel Hydrocyclone Design, Classification, Baffle, Short-circuiting Particles