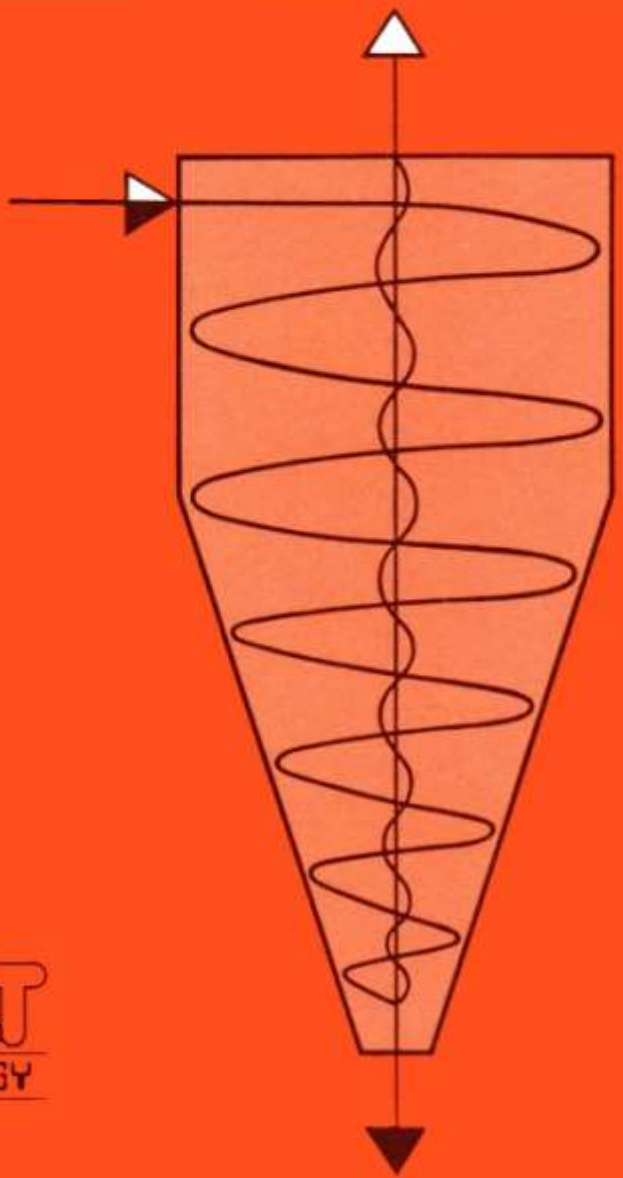
Hydrocyclones

Volume I

L. Svarovsky



HOLT TECHNOLOGY

Hydrocyclones

The hydrocyclone is a simple, low capital-cost machine, first used in mineral processing, but nowadays finding increasing application in many different industries, including chemical engineering, petrochemicals, pharmaceuticals, food processing, oil production, mining and coal processing.

This book, the first specialist text on hydrocyclones for nearly 20 years, provides a complete guide to hydrocyclone technology, covering basic principles, industrial practice and information on the latest research. The hydrocyclone is a very versatile machine that can be employed in a wide variety of separation processes — liquid clarification, slurry thickening, solids classification, solids washing, etc. All these processes are covered in this book, which provides comprehensive information on the optimum cyclone design and operating conditions for the particular process required.

The book will be of value to professional engineers and managers in all those industries where separation processes are needed, or particulate slurries are handled. It will provide a useful reference source for manufacturers of hydrocyclones and ancillary equipment. Students attending advanced courses in mineral processing, chemical engineering, fuel technology, petrochemicals and metallurgy will find the book of great value for its rigorous and systematic approach and the worked examples it contains.

The author, Dr Ladislav Svarovsky, is Senior Lecturer in Chemical Engineering and Powder Technology at Bradford University. He has been engaged in research into solid/liquid separation and particle size measurement for the last 20 years, has published many papers, and has given several postgraduate and industrial courses on these subjects.

Holt, Rinehart & Winston Ltd.

1 St Anne's Road
Eastbourne
East Sussex BN21 3UN

ISBN 0-03-910562-8

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