



Pneumatic Conveying Design Guide, Third Edition

By David Mills Dip Tech (Eng) PhD CEng MIMechE



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Pneumatic Conveying Design Guide, 3rd Edition is divided into three essential parts, system and components, system design, and system operation, providing both essential foundational knowledge and practical information to help users understand, design, and build suitable systems.

All aspects of the pneumatic conveying system are covered, including the type of materials used, conveying distance, system constraints, including feeding and discharging, health and safety requirements, and the need for continuous or batch conveying.

This new edition also covers information on the other conveying systems available and compares them to this method. The existing content is brought up-to-date and the references are expanded and updated. This guide is an almost encyclopedic coverage of pneumatic conveying and as such is an essential text for both designers and users of pneumatic conveying systems. Each aspect of the subject is discussed from basic principles to support those new to, or learning about, this versatile technique.

- Highly practical with usable and unbiased information to enable you to choose, design and build suitable systems with a high degree of confidence
- New edition compares alternative conveying systems including pneumatic capsule conveying systems, and covers conveying of wet materials
- Contains updated information on by-pass systems, and will introduce you to simulation software



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Editorial Review

From the Back Cover

Pneumatic Conveying Guide, third edition is divided into three parts for ease of reference: System and Components, System Design, and System Operation. This invaluable guide provides both essential foundational knowledge and practical information to help you understand, design and build suitable systems.

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This guide is an almost encyclopedic coverage of pneumatic conveying and as such is an essential text for both designers and users of pneumatic conveying systems. Each aspect of the subject is discussed from basic principles to support those new to, or learning about, this versatile technique.

Key Features

- Highly practical with usable and unbiased information to enable you to choose, design and build suitable systems with a high degree of confidence.
- New edition compares alternative conveying systems including pneumatic capsule conveying systems, and covers conveying of wet materials.
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David Mills has worked in the field of pneumatic conveying for over forty years. From 1998 – 2006 he was Professor of Bulk Solids Handling at Glasgow Caledonian University. He has published over 170 papers in the field, and has been working as an independent consultant in pneumatic conveying since 1996.

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About the Author

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