



Handbook of Pneumatic Conveying Engineering (Mechanical Engineering)

By David Mills, Mark G. Jones, Vijay K. Agarwal



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Pneumatic conveying systems offer enormous advantages: flexibility in plant layout, automatic operation, easy control and monitoring, and the ability to handle diverse materials, especially dangerous, toxic, or explosive materials. The Handbook of Pneumatic Conveying Engineering provides the most complete, comprehensive reference on all types and sizes of systems, considering their selection, design, maintenance, and optimization. It offers practical guidelines, diagrams, and procedures to assist with plant maintenance, operation, and control.

With well over fifty years of combined experience in the field, the authors promote practical, valuable approaches to test, evaluate, and correct both old and newly constructed systems. They include abundant checklists and approaches for preventing component wear, material degradation, and operating dilemmas and suggest lists of alternate materials and components to use if erosion does occur. Comparing various conveying system types, components, and flow mechanisms, the book explains the function of material flow, recommends conveying air velocity for different types of materials, and examines the conveying characteristics of a broad array of materials with emphasis on their impact on system performance.

Brimming with invaluable checklists, models, guidelines, diagrams, and illustrations, the Handbook of Pneumatic Conveying Engineering is simply the most authoritative guide to pneumatic conveying available and a critical tool for your everyday work.



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