

CONTENT

	Page
1. The Engineering Approach	1
2. Fluid Mechanics	9
3. Fluid-Flow Measurements	46
4. Pumps	84
5. Fans	108
6. Size Reduction	128
7. Cleaning and Sorting	154
8. Materials Handling	191
9. Heat Transfer	229
10. Air – Vapor Mixtures (The Psychrometric Chart)	273
11. Drying	294
12. Refrigeration	328
13. Process Condition Observations, Records, and Controls	355
14. Cost Analysis	379
15. Process Analysis and Plant Design	395
16. Manual Operation Economy	407
Appendixes	416
Index	424