



# Compressors, Third Edition: Selection and Sizing

By Royce N. Brown

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## Compressors, Third Edition: Selection and Sizing By Royce N. Brown

This practical reference provides in-depth information required to understand and properly estimate compressor capabilities and to select the proper designs. Engineers and students will gain a thorough understanding of compression principles, equipment, applications, selection, sizing, installation, and maintenance. The many examples clearly illustrate key aspects to help readers understand the "real world" of compressor technology.

Compressors: Selection and Sizing, third edition is completely updated with new API standards. Additions requested by readers include a new section on diaphragm compressors in the reciprocating compressors chapter, and a new section on rotor dynamics stability in the chapter on diaphragm compressors.

The latest technology is presented in the areas of efficiency, 3-D geometry, electronics, CAD, and the use of plant computers. The critical chapter on negotiating the purchase of a compressor now reflects current industry practices for preparing detailed specifications, bid evaluations, engineering reviews, and installation. A key chapter compares the reliability of various types of compressors.

- \* Everything you need to select the right compressor for your specific application.
- \* Practical information on compression principles, equipment, applications, selection, sizing, installation, and maintenance.
- \* New sections on diaphragm compressors and an introduction to rotor dynamics stability.

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Compressors, 3rd Edition

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RNB Engineering, Texas

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Royce N. Brown, P.E., is the owner of RNB Engineering, a consulting firm in Houston. He is a registered professional engineer in Texas, Michigan, Louisiana, Wisconsin and California, and a former consulting engineer for Dow Chemical

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Royce N. Brown is the owner of RNB Engineering, a consulting firm in Houston. He is a registered

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