

# **PUMPS/ COMPRESSORS/ FANS**

Pocket Handbook

Nicholas P. Cheremisinoff  
Paul N. Cheremisinoff



## Table of Contents

---

<i>Preface</i> .....	vii
----------------------	-----

### SECTION 1—PUMPS

1 / Classification and Characteristics of Pumps .....	3
2 / Centrifugal Pumps .....	13
3 / Positive Displacement Pumps .....	43
4 / Pumps of Special Design .....	65
5 / Pump Selection Criteria .....	71

### SECTION 2—COMPRESSORS

6 / Compressor Classification .....	77
7 / Piston Compressors .....	99
8 / Miscellaneous Compressor Designs .....	115

### SECTION 3—FANS

9 / Dynamic-Type Centrifugal Machines .....	123
---	-----

### Appendix

Notations for Section 1 .....	145
Greek Symbols .....	146
Notations for Sections 2 and 3 .....	146
Greek Symbols .....	147

<i>Bibliography</i> .....	149
---------------------------	-----

<i>Index</i> .....	151
--------------------	-----

<i>About the Authors</i> .....	153
--------------------------------	-----