

1. Record Nr.	UNINA9910427677503321
Autore	Gistau Baguer Guy
Titolo	Cryogenic helium refrigeration for middle and large powers // Guy Gistau Baguer
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-51677-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XLII, 691 p. 686 illus., 511 illus. in color.)
Collana	International cryogenics monograph series
Disciplina	621.59
Soggetti	Low temperature engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Units and Symbols -- 1 Introduction -- 2 Some Reminders about Cryogenics and Others -- 3 Heat Exchangers for Cryogenic use, Reminders -- 4 Basic Cycles for Helium Refrigeration and Liquefaction -- 5 Special Cycles for Helium Refrigeration and Liquefaction -- 6 Technology of the helium Refrigeration Components -- 7 Helium -- 8 Introduction to off-design Operation -- 9 Process control -- 10 Operating Modes of a Helium Refrigeration Plant -- 11 Operation and Maintenance of a Helium Plant -- 12 A Few Examples of Existing Plants -- 13 A Helium Plant Specification -- 14 Commissioning Tests -- 15 The Cryo Tool Box -- 16 Annex 1 Starting procedures for screw compressors -- 17 Annex 2 More on ORS -- 18 Annex 3 Heat exchangers operating in a horizontal position -- 19 Annex 4 Introduction to the Grafcet language for the description of an automation procedure -- 20 Terminology.
Sommario/riassunto	This book offers a practical introduction to helium refrigeration engineering, taking a logical and structured approach to the design, building, commissioning, operation and maintenance of refrigeration systems. It begins with a short refresher of cryogenic principles, and a review of the theory of heat exchangers, allowing the reader to understand the importance of the heat exchanger role in the various thermodynamic cycle structures. The cycles are considered from the simplest (Joule Thomson) to the most complicated ones for the very large refrigeration plants and, finally, those operating at temperatures

lower than 4.5 K. The focus then turns to the operation, ability and limitations of the main components, including room temperature cycle screw compressors, heat exchangers, cryogenic expansion turbines, cryogenic centrifugal compressors and circulators. The book also describes the basic principles of process control and studies the operating situations of helium plants, with emphasis on high level efficiency. A major issue is helium purity, and the book explains why helium is polluted, how to purify it and then how to check its purity, to ensure that all components are filled with pure helium prior to starting. Although the intention of the book is not to design thermodynamic cycles, it is of interest to a designer or operator of a cryogenic system to perform some simplified calculations to get an idea of how components or systems are behaving. Throughout the book, such calculations are generally performed using Microsoft® Excel and the Gaspak® or Hepak® software. .

2. Record Nr.	UNINA9910791953203321
Autore	Thieme John
Titolo	R. K. Narayan / / John Thieme
Pubbl/distr/stampa	Manchester, UK : , : Manchester University Press, , 2013 ©2007
ISBN	1-84779-536-6 1-78170-124-5 1-84779-196-4
Descrizione fisica	1 online resource (249 pages) : digital file(s)
Collana	Contemporary world writers
Disciplina	823.912
Soggetti	Literature Literary Studies: Post-Colonial Literature LITERARY CRITICISM / Asian / Indic India India In literature
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

CONTENTS; ACKNOWLEDGEMENTS; SERIES EDITOR'S FOREWORD; LIST OF ABBREVIATIONS; CHRONOLOGY; 1 Contexts and intertexts; 2 Early novels; 3 Middle-period novels: Mr Sampath to Waiting for the Mahatma; 4 Middle-period novels: The Guide to The Painter of Signs; 5 Late novels; 6 Critical overview and conclusion; NOTES; SELECT BIBLIOGRAPHY; INDEX; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Y

Sommario/riassunto

R.K. Narayan's reputation as one of the founding figures of Indian writing in English is re-examined in this comprehensive study of his fiction, which offers detailed readings of all his novels. Arguing against views that have seen Narayan as a chronicler of "authentic" Indianness, John Thieme locates his fiction in terms of its specific South Indian contexts and cultural geography and its non-Indian intertexts. The study also considers the effect that Narayan's writing for overseas publication had on novels such as Swami and Friends, The Guide and The Man-Eater of Malgudi. Narayan's imaginary