

1. Record Nr.	UNINA9910451063903321
Autore	Kohl Arthur L
Titolo	Gas purification [[electronic resource]]
Pubbl/distr/stampa	Houston, Tex., : Gulf Pub., c1997
ISBN	1-281-79614-X 9786611796143 0-08-050720-4
Edizione	[5th ed. /]
Descrizione fisica	1 online resource (1409 p.)
Altri autori (Persone)	NielsenRichard (Richard B.)
Disciplina	665.7
Soggetti	Gases - Purification Chemistry, Technical Electronic books.
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	Front Cover; Gas Purification; Copyright Page; Contents; Preface; Chapter 1. Introduction; Chapter 2. Alkanolamines for Hydrogen Sulfide and Carbon Dioxide Removal; Chapter 3. Mechanical Design and Operation of Alkanolamine Plants; Chapter 4. Removal and Use of Ammonia in Gas Purification; Chapter 5. Alkaline Salt Solutions for Acid Gas Removal; Chapter 6. Water as an Absorbent for Gas Impurities; Chapter 7. Sulfur Dioxide Removal; Chapter 8. Sulfur Recovery Processes; Chapter 9. Liquid Phase Oxidation Processes for Hydrogen Sulfide Removal; Chapter 10. Control of Nitrogen Oxides Chapter 11. Absorption of Water Vapor by Dehydrating Solutions Chapter 12. Gas Dehydration and Purification by Adsorption; Chapter 13. Thermal and Catalytic Conversion of Gas Impurities; Chapter 14. Physical Solvents for Acid Gas Removal; Chapter 15. Membrane Permeation Processes; Chapter 16. Miscellaneous Gas Purification Techniques; Appendix; Index
Sommario/riassunto	This massively updated and expanded fifth edition is the most complete, authoritative engineering treatment of the dehydration and gas purification processes used in industry today. Of great value to design and operations engineers, it gives practical process and equipment design descriptions, basic data, plant performance results,

and other detailed information on gas purification processes and hardware. This latest edition incorporates all significant advances in the field since 1985. You will find major new chapters on the rapidly expanding technologies of nitrogen oxide contro
