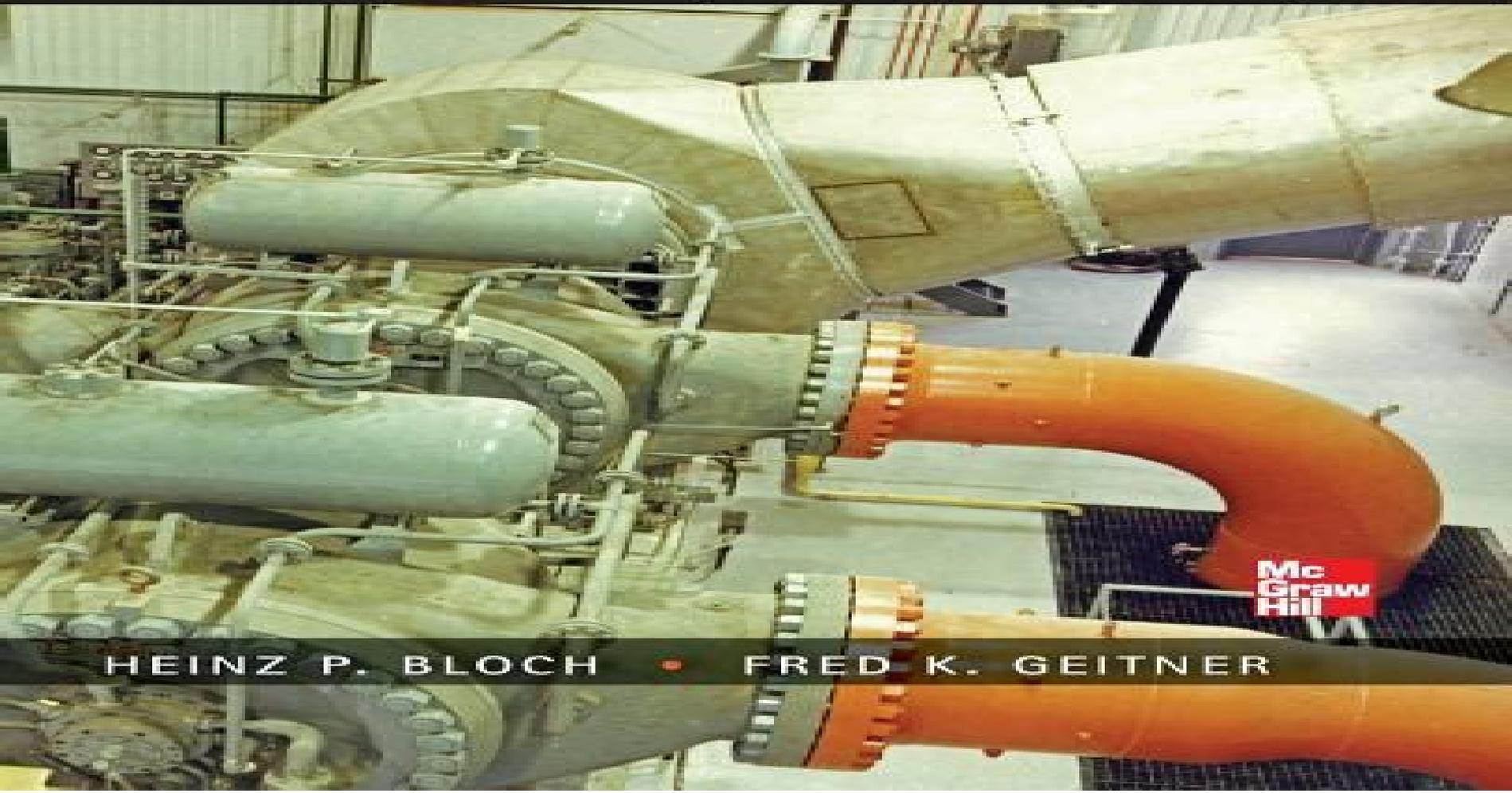


COMPRESSORS

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A Practical Guide to Compressor Technology Heinz P. Bloch, 2006-10-25 A Complete overview of theory selection design operation and maintenance This text offers a thorough overview of the operating characteristics efficiencies design features troubleshooting and maintenance of dynamic and positive displacement process gas compressors The author examines a wide spectrum of compressors used in heavy process industries with an emphasis on improving reliability and avoiding failure Readers learn both the theory underlying compressors as well as the

myriad day to day practical issues and challenges that chemical engineers and plant operation personnel must address The text features Latest design and manufacturing details of dynamic and positive displacement process gas compressors Examination of the full range of machines available for the heavy process industries Thorough presentation of the arrangements material composition and basic laws governing the design of all important process gas compressors Guidance on selecting optimum compressor configurations controls components and auxiliaries to maximize reliability Monitoring and performance analysis for optimal machinery condition Systematic methods to avoid failure through the application of field tested reliability enhancement concepts Fluid instability and externally pressurized bearings Reliability driven asset management strategies for compressors Upstream separator and filter issues The text s structure is carefully designed to build knowledge and skills by starting with key principles and then moving to more advanced material Hundreds of photos depicting various types of compressors components and processes are provided throughout Compressors often represent a multi million dollar investment for such applications as petrochemical processing and refining refrigeration pipeline transport and turbochargers and superchargers for internal combustion engines This text enables the broad range of engineers and plant managers who work with these compressors to make the most of the investment by leading them to the best decisions for selecting operating upgrading maintaining and troubleshooting

Energy Research Abstracts ,1988
Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering, 1989:
Pipelines ,1989 *Fossil Energy Update* ,1981 **Proceedings of the American Power Conference** ,1991
Scientific and Technical Aerospace Reports ,1981 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database *ASME Technical Papers* ,2001 *10th Annual Engineering Conference on Reliability, Availability, Maintainability for the Electric Power Industry* ,1983 Power Plant Reliability North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Propulsion and Energetics Panel,1977 *Canadian Engineer* ,1913 **Textile World Journal** ,1919 *Oil Field Engineering ...* ,1921 **The Blast Furnace and Steel Plant** ,1921 Blast Furnace and Steel Plant ,1921 Gas Engine ,1920 *Actes* ,1980 **Engineering and Contracting** ,1925 **The Mining Engineer** ,1911

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