

John Crane Seal Selection Guide

Nuclear NewsIndustrial Equipment NewsMechanical EngineeringRules of Thumb for Mechanical EngineersChartered Mechanical EngineerPowerPower IndustryThe Baker & Taylor Secondary School Selection GuideChilton's Food EngineeringPower Transmission DesignElectro-technologyIron and Steel EngineerReal Estate Record and Builders' GuideProcessingChemical Engineering ProgressHydraulics & PneumaticsPower Plant EngineeringPlant and Power Services EngineerApplied Mechanics ReviewsThe Ultimate Guide To Choosing a Medical SpecialtyCanadian Chemical ProcessingU.S. Industrial DirectoryWorld FishingPower EngineeringPower Plant Equipment Operation and Maintenance GuideSouthern Pulp and Paper ManufacturerCompressorsCommerce Business DailyPulp & PaperThe Excavating EngineerGuide to the School Laws of PennsylvaniaPump User's Handbook: Life Extension, Fourth EditionCanadian Food IndustriesPulp & PaperProcess Industries CanadaPrinciples and Design of Mechanical Face SealsIndustry and PowerChemical EngineeringMachine DesignA Practical Guide to Compressor Technology

Nuclear News

Industrial Equipment News

This practical reference provides in-depth information required to understand and properly estimate compressor capabilities and to select the proper designs. 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. The latest technology is presented in the areas of efficiency, 3-D geometry, electronics, and CAD. 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. Book jacket.

Mechanical Engineering

The Jan. 1956 issue includes Fluid power engineering index, 1931-55.

Rules of Thumb for Mechanical Engineers

Chartered Mechanical Engineer

THE DEFINITIVE GUIDE TO SELECTING, OPERATING, AND MAINTAINING POWER PLANT EQUIPMENT Power Plant Equipment Operation and Maintenance Guide provides detailed coverage of different types of power plants such as modern co-generation, combined-cycle, and integrated gasification combined cycle (IGCC) plants. The book describes the design, selection, operation, maintenance, and economics of all these power plants. The best available power enhancement options are discussed, including duct burners, evaporative cooling, inlet-air chilling, absorption chilling, steam and water injection, and peak firing. This in-depth resource addresses the sizing, selection, calculations, operation, diagnostic testing, troubleshooting, maintenance, and refurbishment of all power plant equipment, including steam turbines, steam generators, boilers, condensers, heat exchangers, gas turbines, compressors, pumps, advanced sealing mechanisms, magnetic bearings, and advanced generators. Coverage includes: Methods for enhancing the reliability and maintainability of all power plants Economic analysis of modern co-generation and combined-cycle plants Selection of the best emission-reduction method for power plants Preventive and predictive maintenance required for power plants Gas turbine applications in power plants, protective systems, and tests

Power

Power Industry

Fluids -- Heat transfer -- Thermodynamics -- Mechanical seals -- Pumps and compressors -- Drivers -- Gears -- Bearings -- Piping and pressure vessels -- Tribology -- Vibration -- Materials -- Stress and strain -- Fatigue -- Instrumentation -- Engineering economics.

The Baker & Taylor Secondary School Selection Guide

Chilton's Food Engineering

Power Transmission Design

Electro-technology

Iron and Steel Engineer

Real Estate Record and Builders' Guide

Processing

Just published in its updated fourth edition, this highly regarded text explains in clear terms how and why the best-of-class pump users are consistently achieving superior run lengths, low maintenance expenditures, and unexcelled safety and reliability. Written by practicing engineers whose working careers were marked by involvement in all facets of pumping technology, operation, assessment, upgrading and cost management, this book endeavors to describe in detail how you, too, can accomplish optimum pump performance and low life cycle cost. A new chapter on breaking the cycle of pump repairs examines the cost of failures and the defined operating range of pumps. The authors also explore mechanical issues, deviations from best available technology, and preventing problems with oil rings and constant level lubricators. Additional topics include bearing housing protector seals, best lube application practices, lubrication and bearing distress, and paying for value.

Chemical Engineering Progress

Hydraulics & Pneumatics

Power Plant Engineering

Plant and Power Services Engineer

Applied Mechanics Reviews

The Ultimate Guide To Choosing a Medical Specialty

Canadian Chemical Processing

U.S. Industrial Directory

World Fishing

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.

Power Engineering

Power Plant Equipment Operation and Maintenance Guide

Southern Pulp and Paper Manufacturer

Compressors

Commerce Business Daily

Pulp & Paper

The Excavating Engineer

Guide to the School Laws of Pennsylvania

Pump User's Handbook: Life Extension, Fourth Edition

The first medical specialty selection guide written by residents for students! Provides an inside look at the issues surrounding medical specialty selection, blending first-hand knowledge with useful facts and statistics, such as salary information, employment data, and match statistics. Focuses on all the major specialties and features firsthand portrayals of each by current residents. Also includes a guide to personality characteristics that are predominate with practitioners of each specialty. "A terrific mixture of objective information as well as factual data make this book an easy, informative, and interesting read." --Review from a 4th year Medical Student

Canadian Food Industries

Pulp & Paper

Process Industries Canada

Principles and Design of Mechanical Face Seals

Industry and Power

Examines the fundamentals and practice of both the design and operation of face seals, ranging from washing machines to rocket engine turbopumps. Topics include materials, tribology, heat transfer and solid mechanics. A variety of simple and complex models are proposed and evaluated and specific problems such as heat checking, blistering and instability are considered. Offers 64 tables and 364 references plus useful recommendations regarding the future of seal design.

Chemical Engineering

Machine Design

A Practical Guide to Compressor Technology

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