



Water Hydraulics Control Technology

By Erik Trostmann

CRC Press / CBS Publishers & Distributors Pvt. Ltd., 1995. Hardcover. Condition: New. First edition. Discussing the properties of tap water as the hydraulic pressure medium and the influence of water on component design, *Water Hydraulics Control Technology* describes the physical differences between water and mineral oil used in hydraulics. delineates, for the first time in book form, the complete range of water hydraulic products for power control systems. examines in depth newly developed, commercially available high-speed axial piston pumps and motors for industrial applications. analytically defines volumetric, mechanical, and total efficiencies of water hydraulic pumps and motors and provides experimental numerical data. furnishes measured-performance data for water hydraulic valves . outlines procedures for the design of water hydraulic systems and looks at future developments . and more. Written by an internationally recognized expert with over 40 years of industrial and academic experience, *Water Hydraulics Control Technology* is an incomparable resource for mechanical, design, control, chemical, fluid power, system, industrial, environmental, and manufacturing engineers; and upper-level undergraduate, graduate, and continuing-education students in these disciplines. This work introduces the principles of water hydraulics technology and its benefits and limitations, and clarifies the essential differences between water and oil hydraulics. It discusses...

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