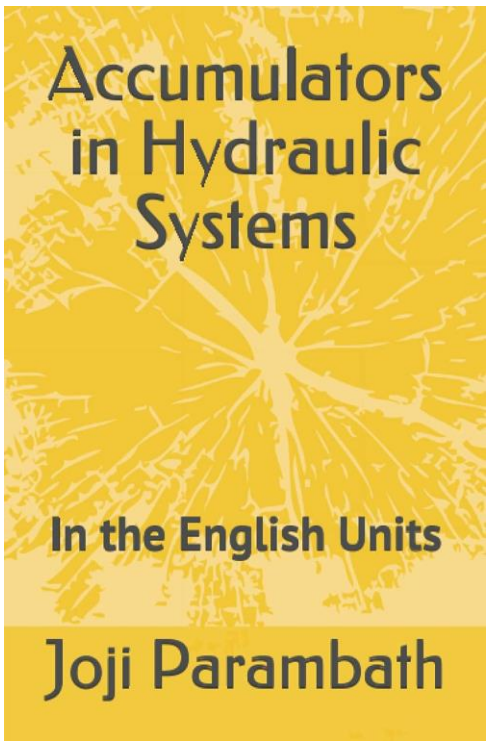
Accumulators in Hydraulic Systems
(In the English units)

by

Joji Parambath



About the Book

Hydraulic accumulators are special devices extensively used in hydraulic systems to realize many interesting control functions. However, the functions, constructional features, and control circuits of accumulators appear to be difficult propositions for hydraulic professionals who are not properly trained or newcomers to the field of hydraulics.

The book brings out the essential technical information related to accumulators extracted, especially from the materials available from the manufacturer's domain. The book explains the functions, classification, constructional details, and comparison of many types of accumulators, including piston, diaphragm, and bladder types. Further, the book presents the topics of pre-charging, safety requirements, and applications of accumulators in sufficient detail. A chapter gives some basic circuits of accumulators. Another chapter presents the topic of the sizing of accumulators with many numerical examples. The book uses the English system of units. The topics of maintenance and specifications of accumulators are given at the end of the book.

About the Author

Joji Parambath is an accomplished professional with over 25 years of experience in Pneumatics, Hydraulics, and PLC. Throughout his illustrious career, he has trained professionals from various industries, faculty members, and engineering students, imparting his knowledge and expertise to the next generation of learners. The author's extensive experience in handling topics such as industrial hydraulic systems and the design of hydraulic systems has uniquely positioned him to prepare books on hydraulic components.

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