

Fisher® EZ easy-e™ Control Valve

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Figure 1. Fisher EZ Valve with 657 Actuator and DVC6000 Digital Valve Controller



Introduction

Scope of Manual

This instruction manual includes installation, maintenance, and parts information for NPS 1/2 through 4 Fisher EZ valves through CL600 ratings. Refer to separate manuals for instructions covering the actuator and accessories.

Do not install, operate, or maintain an EZ valve without being fully trained and qualified in valve, actuator, and accessory installation, operation, and maintenance. To avoid personal injury or property damage, it is important to carefully read, understand, and follow all the contents of this manual, including all safety cautions and warnings. If you have any questions about these instructions, contact your Emerson Process Management sales office before proceeding.

Description

EZ valves (figure 1) are globe-style with integral end connections, post guiding, and quick-change trim. These valves are used in chemical or hydrocarbon processing applications or in applications that require control of nonlubricating, viscous, or other hard-to-handle fluids.



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Yicheng Fang



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Instrument Engineers' Handbook, Volume Two Bela G. Liptak, 2018-10-08 The latest update to Bela Liptak's acclaimed bible of instrument engineering is now available. Retaining the format that made the previous editions bestsellers in their own right, the fourth edition of *Process Control and Optimization* continues the tradition of providing quick and easy access to highly practical information. The authors are practicing engineers, not theoretical people from academia, and their advice has been repeatedly tested in real life applications. Expanded coverage includes descriptions of overseas manufacturer's products and concepts, model based optimization in control theory, new major inventions and innovations in control valves, and a full chapter devoted to safety. With more than 2000 graphs, figures, and tables, this all-inclusive encyclopedic volume replaces an entire library with one authoritative reference. The fourth edition brings the content of the previous editions completely up to date, incorporates the developments of the last decade, and broadens the horizons of the work from an American to a global perspective. Bela G. Liptak speaks on Post Oil Energy Technology on the AT T Tech Channel.

Albright's Chemical Engineering Handbook Lyle Albright, 2008-11-20 From fundamentals to plant operations, Albright's *Chemical Engineering Handbook* offers a thorough yet succinct guide to day to day methods and calculations used in chemical engineering applications. Leaders from an exceptional diversity of specialties provide a clear review of basic information, case examples, and references to additional information. They discuss essential principles, calculations, and key issues such as reaction engineering, process control, and design, waste disposal, and electrochemical and biochemical engineering. The final chapters cover aspects of patents, intellectual property, communications, and ethics that are most relevant to engineers.

Principles and Practices of Automatic Process Control Carlos A. Smith, Armando B. Corripio, 2005-08-05 Highly practical and applied, this Third Edition of Smith and Corripio's *Principles and Practice of Automatic Process Control* continues to present all the necessary theory for the successful practice of automatic process control. The authors discuss both introductory and advanced control strategies and show how to apply those strategies in industrial examples drawn from their own professional practice. The strengths of the book are its simplicity, excellent examples, practical approach, real case studies, and focus on Chemical Engineering processes. More than any other textbook in the field, Smith and Corripio prepares a student for use of process control in a manufacturing setting. Course Hierarchy: Course is called *Process Control*, Senior level course. Same course as Seborg, but Smith is considered more accessible.

Process Control Béla G. Lipták, 2013-10-02 *Instrument Engineers Handbook Third Edition*. *Process Control* provides information pertinent to control hardware including transmitters, controllers, control valves, displays, and computer systems. This book presents the control theory and shows how the unit processes of distillation and chemical reaction should be controlled. Organized into eight chapters, this edition begins with an overview of the method needed for the state of the art practice of process control. This text then examines the relative merits of digital and analog displays and computers. Other chapters

consider the basic industrial annunciators and other alarm systems which consist of multiple individual alarm points that are connected to a trouble contact a logic module and a visual indicator This book discusses as well the data loggers available for process control applications The final chapter deals with the various pump control systems the features and designs of variable speed drives and the metering pumps This book is a valuable resource for engineers *Instrument Engineers' Handbook, (Volume 2) Third Edition* Bela G. Liptak, 1995-05-15 This third edition of the Instrument Engineers Handbook most complete and respected work on process instrumentation and control helps you *Instruments & Control Systems*, 1974

Chemical Engineering Catalog, 1922 **Principles and Practice of Automatic Process Control** Carlos A. Smith, Armando B. Corripio, 1985-05-28 Presents the practice of automatic process control along with the fundamental principles of control theory Includes a generous number of case studies problems and examples taken from the authors experience in industry Directed to the process industries discussing process dynamic response in terms of principles of material and energy balances fluid flow heat transfer separation processes and reaction kinetics Shows how to develop simple process models and describes control systems components and feedback **Chemical Engineering Progress**, 1989

Sweet's Catalog File, Mechanical Industries, 1937 **Applying the ASME Codes** James A. Wingate, 2007 Offers a collection of chapters featuring ASME Piping and Pressure Vessel Code applications This volume enables readers to learn to solve various mechanical problems including Pipe Stress and Strain Structural Supports Pressure Vessels Jacketed Pipes and Bellows Type Expansion Joints *Sweet's Engineering Catalogue*, 1915 **Valves for Process Control and Safety** Jay Matley, 1989 **Rules of Thumb for Chemical Engineers** Carl Branan, 1998 The first edition proved itself to be a standard reference for chemical engineers This updated thoroughly revised new edition helps solve your field engineering problems with its hundreds of common sense techniques shortcuts and calculations In addition this convenient volume reflects the latest developments in geographic information systems process safety management and pipeline toughness

The National Engineer, 1930 Vols 34 contain official N A P E directory *Mechanical Catalog*, 1930 **Proceedings**, 1982 **Power**, 1897 [Oilfield Processing of Petroleum: Crude oil](#) Francis S. Manning, Richard E. Thompson (Ph.D.), 1995 Covers process descriptions design method operating procedures and troubleshooting in great detail This text is the definitive source on its topic and contains numerous diagrams and appendices as well as case histories and review questions with numerical problems *The Oil and Gas Journal*, 1929

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