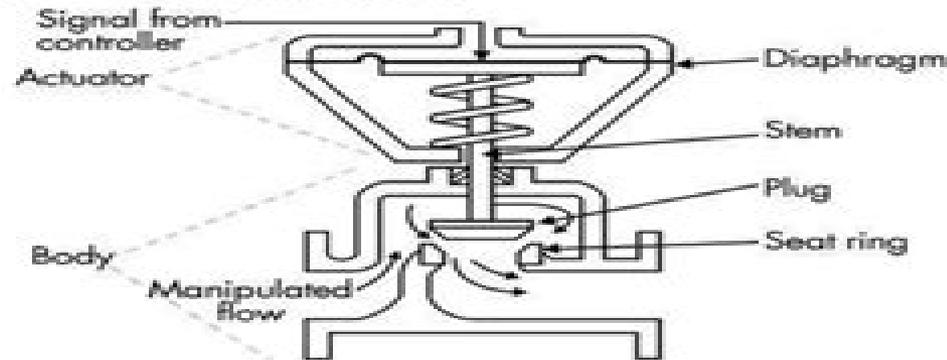


Control valve with actuator



Types of Motor Operated Valves

The motorized control valve can be classified into three types. However, it must be noted that the main application of motorized valves is for flow control and flow isolation.

Open/Close Valves: -

Used to automate manually open-close valves. Examples include pump discharge/suction valves, boiler feed water isolation valves, drum vent valves, product line valves, etc.

Inching Valves: -

Used where some degree of control is required. Applications include reflux lines, boiler start-up vents, boiler mainstream valves, etc.

Precision Flow Valves: -

In the inching valve, the motor operates in steps configured in the controller, e.g. 5%, 10% opening steps. In precision flow valves, continuous control is enabled by the use of proper feedback from the field to the controller which is not usually found in other motor-operated valves. An example includes steam injection valve/water injection valve etc.

Advantages & Disadvantages of Motorized Valves

Advantages	Disadvantages
1. Accurate & Reliable	1. Initial High cost
2. Fast Response	2. Need precise & accurate Motor to control valve's positions
3. Require less maintenance	
4. Can be used in hazardous locations where The human-operator approach is inaccessible.	

Flow Control Lab Manual

SA Dillow



Flow Control Lab Manual:

The book delves into Flow Control Lab Manual. Flow Control Lab Manual is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Flow Control Lab Manual, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Flow Control Lab Manual
 - Chapter 2: Essential Elements of Flow Control Lab Manual
 - Chapter 3: Flow Control Lab Manual in Everyday Life
 - Chapter 4: Flow Control Lab Manual in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Flow Control Lab Manual. This chapter will explore what Flow Control Lab Manual is, why Flow Control Lab Manual is vital, and how to effectively learn about Flow Control Lab Manual.
3. In chapter 2, this book will delve into the foundational concepts of Flow Control Lab Manual. The second chapter will elucidate the essential principles that need to be understood to grasp Flow Control Lab Manual in its entirety.
4. In chapter 3, the author will examine the practical applications of Flow Control Lab Manual in daily life. The third chapter will showcase real-world examples of how Flow Control Lab Manual can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Flow Control Lab Manual in specific contexts. This chapter will explore how Flow Control Lab Manual is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Flow Control Lab Manual. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Flow Control Lab Manual.

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