



Motor-Operated Valve Maintenance

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This three-day course is designed for mechanics and engineers responsible for the operation and maintenance of MOVs at their location. Topics covered include MOV construction, controls, inspection, lubrication, troubleshooting, disassembly, reassembly, preventive maintenance, diagnostic testing, and valve installation. Repair procedures are presented and applied using a Limitorque SMB-000 series operator. Limit switch and torque switch adjustment as well as the selection and interchangeability of valve actuators is also discussed.

I. Introduction

- MOV Failures - Industry Case Histories
- Sizes and Classifications
- Principles of Hand Operations
- Principles of Motor Operations

II. Construction

- Description of Major Subassemblies
- Nameplate Information
- Selection and Sizing Criteria

III. Maintenance Techniques

- Installation
- Overhaul
- Electrical Checkout
- Inspection and troubleshooting
- Performance Testing and Evaluation
- Torque and Limit Switch Adjustment/
Balancing
- Lubrication