

Valve Selection Guide

Isolation Ball Valves, ASME B16.34

Page 1 of 2



IRSVP

Drain and vent for power applications

- ASME 150 – 4500 Limited Class
- 3/4 to 2-1/2 inch (15 to 65 DN)
- Uni-directional sealing
- Forged uni-body design
- Mechanical precision stop
- Diffusion seat available



RSVP-UK

For small, critical power applications

- ASME 150 – 1500 Limited Class
- 1/2 to 3/4 inch (15 to 20 DN)
- Uni-directional sealing
- Compact



ISOLATOR 2.0

Low pressure applications

- ASME 150 – 600 Class
- 1 to 4 inch (25 to 100 DN)
- Bi-directional, metal-seated sealing
- 2-piece forged body



SC-3 Piece

Flexibility of in-line repair

- ASME 1500 – 4500 Class
- 2 to 24 inch (50 to 600 DN)
- Uni-directional sealing
- In-line repairable
- 3-piece forged body



C-Series

Customizable isolation valves for specific applications

- ASME 150 – 4500 Class
- 1/2 to 42 inch (15 to 1050 DN)
- Bi-directional sealing
- Cast or forged body; 2 or 3-piece



T-Series

Trunnion reduces operating torque

- ASME 150 – 2500 Class
- 3 to 60 inch (80 to 1500 DN)
- Bi-directional sealing
- Metal- or soft-seated
- Cast or forged body; 2 or 3-piece
- API 6D or ASME B16.34



G-Series

General service drain and vent

- ASME 150 – 600 Class
- 1 to 3 inch (25 to 75 dn)
- Uni-directional; metal/graphite laminated seats
- 3-piece forged body



PORV

Power operated relief valve

- ASME 1500 / 2500 / 4500 Class
- 2-1/2 to 4 inch (65 to 100 DN)
- ASME mark with "V" designator available

MAX-Series

Customized Solutions

For unique operational requirements, MOGAS offers MAX-Series valves that involve strong collaboration between your engineering, operations and maintenance staff, along with MOGAS personnel. Site visits, technical discussions and/or specific testing are often required. These customized valves are special, one-of-a-kind solutions to satisfy your specific valve challenges.

To learn more, contact a MOGAS representative today.



The MOGAS y-pattern valve provides the optimal solution for combining process functions, reducing required space, and diverting or isolating flow within a single valve body. Metal-to-metal sealing gives dependable, repeatable isolation in high temperature, high pressure and solids laden process streams.

Ball Valve Trim Selection Guide

Siddappa N.Byrareddy



Ball Valve Trim Selection Guide:

The Concise Valve Handbook, Volume I Michael A. Crabtree, 2018-09-26 This two volume book comprises a comprehensive up to date body of knowledge that provides a total in depth insight into valve and actuator technology looking not just at control valves but a whole host of other types including check valves shut off valves solenoid valves and pressure relief valves Research studies within the process industry routinely indicate that the fluid control valve is responsible for 60 to 70% of poor functioning control systems Furthermore valves in general are consistently wrongly selected regularly misapplied and often incorrectly installed A methodology is presented to ensure the optimum selection of size choice of body and trim materials components and ancillaries Whilst studying the correct procedures for sizing readers will also learn the correct procedures for calculating the spring wind up or bench set Maintenance issues also include testing for deadband hysteresis stick slip and non linearity on line diagnostics and signature analysis Written in a detailed but understandable language the two volumes are presented in a form suitable for both the beginner with no prior knowledge of the subject and the more advanced specialist **Handbook of Valves and Actuators** Brian Nesbitt, 2011-04-19 Industries that use pumps seals and pipes will also use valves and actuators in their systems This key reference provides anyone who designs uses specifies or maintains valves and valve systems with all of the critical design specification performance and operational information they need for the job in hand Brian Nesbitt is a well known consultant with a considerable publishing record A lifetime of experience backs up the huge amount of practical detail in this volume Valves and actuators are widely used across industry and this dedicated reference provides all the information plant designers specifiers or those involved with maintenance require Practical approach backed up with technical detail and engineering know how makes this the ideal single volume reference Compares and contrasts valve and actuator types to ensure the right equipment is chosen for the right application and properly maintained **Pipeline Rules of Thumb Handbook** E.W. McAllister, 2015-06-02 This classic reference has built a reputation as the go to book to solve even the most vexing pipeline problems Now in its seventh edition Pipeline Rules of Thumb Handbook continues to set the standard by which all others are judged The 7th edition features over 30% new and updated sections reflecting the exponential changes in the codes construction and equipment since the sixth edition The seventh edition includes recommended drill sizes for self tapping screws new ASTM standard reinforcing bars calculations for calculating grounding resistance national Electrical Code tables Coriolis meters pump seals progressive cavity pumps and accumulators for lubricating systems Shortcuts for pipeline construction design and engineering Calculations methods and handy formulas Turnkey solutions to the most vexing pipeline problems **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 from the trenches 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 B la G Lipt k speaks on Post Oil Energy Technology on the AT T Tech Channel **British Instruments**

Directory and Buyers' Guide ,1964 Power Plant Instrumentation and Control Handbook Swapan Basu,Ajay Kumar Debnath,2014-11-04 The book discusses instrumentation and control in modern fossil fuel power plants with an emphasis on selecting the most appropriate systems subject to constraints engineers have for their projects It provides all the plant process and design details including specification sheets and standards currently followed in the plant Among the unique features of the book are the inclusion of control loop strategies and BMS FSSS step by step logic coverage of analytical instruments and technologies for pollution and energy savings and coverage of the trends toward field bus systems and integration of subsystems into one network with the help of embedded controllers and OPC interfaces The book includes comprehensive listings of operating values and ranges of parameters for temperature pressure flow level etc of a typical 250 500 MW thermal power plant Appropriate for project engineers as well as instrumentation control engineers the book also includes tables charts and figures from real life projects around the world Covers systems in use in a wide range of power plants conventional thermal power plants combined cogen plants supercritical plants and once through boilers Presents practical design aspects and current trends in instrumentation Discusses why and how to change control strategies when systems are updated changed Provides instrumentation selection techniques based on operating parameters Spec sheets are included for each type of instrument Consistent with current professional practice in North America Europe and India

Lyons' Valve Designer's Handbook Jerry L. Lyons,1982 **Chemical Engineering Equipment Buyers' Guide** ,1992 **Valve Selection and Specification Guide** Ronald C. Merrick,1991-01-10 Today people who specify or select valves spend over two thirds of their time researching literature for information on valve sizing availability materials and standards This is nonproductive time Unfortunately most companies do not have the luxury of a team of experts with the necessary experience and education in all of the different fields that apply to valves The next best alternative is to understand what valves are and all the things they can do By definition valves are devices that stop start mix or change the direction and or magnitude of the fluid flow pressure or its tempera ture As a specifier or selector you will have to determine whether the valve is going to be used for flow control throttling or for on off service Then you will have to determine the cycle life or frequency of their operation You will discover that valves are classified into three categories on off valves control

or regulator valves and fixed valves such as orifice plate nozzle duckbill rupture disk blind valve etc These valves represent approximately thirty different design configurations It has been said that if cost and delivery were no problem anyone of the seven basic valve styles could do the job of any other one But cost and delivery are very important factors in the real world So you have to be able to distinguish among these seven styles ball butterfly gate globe pinch diaphragm plug and poppet valves

Piping Systems, Drafting and Design Louis Gary Lamit,1981 *Power Engineering* ,1986 Handbook of Industrial Pipework Engineering Ernest Holmes,1974 Davison's Textile Catalog and Buyers' Guide ,1936 Power Plant Engineering ,1962 **Actual Specifying Engineer** ,1974 **Mechanical Engineering** ,1981 *The Chemical Engineering Guide to Valves* Richard Greene,1984 **Process Analyzer Sample-Conditioning System Technology** Robert E. Sherman,2002-01-11

Sampling systems are one part chemistry one part engineering electrical chemical mechanical civil and maybe even software No one person possesses all of the knowledge required Bob Sherman comes as close as anyone John A Crandall V P Sales Americas ABB Process Analytics This resource provides both novice and experienced technologist with the technical background necessary to choose sample conditioning system components that will allow the process analyzer system to function reliably with minimal maintenance The conditioned process sample presented to the process analyzer should be of similar quality to the calibration material used to zero and span the analyzer Filling a long standing void in the process field this book addresses the system concept of Process Analyzer Sample Conditioning Technology in light of the critical importance of delivering a representative sample of the process stream to the process analyzer Offering detailed descriptions of the equipment necessary to prepare process samples and listings of two or more vendors when available for equipment reviewed Process Analyzer Sample Conditioning System Technology discusses The importance of a truly representative sample Sample probes transfer lines coolers and pumps Sample transfer flow calculations for sizing of lines and system components Particulate filters gas liquid and liquid liquid separation devices Sample pressure measurement and control Enclosures and walk in shelters their electrical hazard ratings and climate control systems With extensive system and component examples including what worked and what didn t Process Analyzer Sample Conditioning System Technology gives the new technologist a basic source of design parameters and performance proven components as well as providing the experienced professional with a valuable reference resource to complement his or her experience

Process Engineering ,1990 **Pulp & Paper** ,1988

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Table of Contents Ball Valve Trim Selection Guide

1. Understanding the eBook Ball Valve Trim Selection Guide
 - The Rise of Digital Reading Ball Valve Trim Selection Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Ball Valve Trim Selection Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ball Valve Trim Selection Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ball Valve Trim Selection Guide
 - Personalized Recommendations
 - Ball Valve Trim Selection Guide User Reviews and Ratings
 - Ball Valve Trim Selection Guide and Bestseller Lists
5. Accessing Ball Valve Trim Selection Guide Free and Paid eBooks
 - Ball Valve Trim Selection Guide Public Domain eBooks
 - Ball Valve Trim Selection Guide eBook Subscription Services
 - Ball Valve Trim Selection Guide Budget-Friendly Options
6. Navigating Ball Valve Trim Selection Guide eBook Formats

- ePub, PDF, MOBI, and More
- Ball Valve Trim Selection Guide Compatibility with Devices
- Ball Valve Trim Selection Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ball Valve Trim Selection Guide
 - Highlighting and Note-Taking Ball Valve Trim Selection Guide
 - Interactive Elements Ball Valve Trim Selection Guide
- 8. Staying Engaged with Ball Valve Trim Selection Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ball Valve Trim Selection Guide
- 9. Balancing eBooks and Physical Books Ball Valve Trim Selection Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ball Valve Trim Selection Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ball Valve Trim Selection Guide
 - Setting Reading Goals Ball Valve Trim Selection Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ball Valve Trim Selection Guide
 - Fact-Checking eBook Content of Ball Valve Trim Selection Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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