

Api Valve Trim Selection Guide

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Api Valve Trim Selection Guide

API 600 TRIM NUMBER CHART - Manual automated valve supply ...

Always consult current API publications to verify information and trim data API Trim Number Material Backseat Stem Notes 1 410 410 410 410 410 2 304 304 304 304 304 3 F310 310 310 310 310 4 Hard 410 Hard 410 Hard 410 410 410 Seats 750 BHN min 5 Hardfaced Stellite Stellite 410 410 5A Hardfaced Ni-Cr Ni-Cr 410 410 6 410 and Cu-Ni Cu-Ni Cu-Ni

API 600 TRIM NUMBER CHART & SERVICE COVERAGE

API lists as obsolete but still used in the valve industry (Trim# 1 is still used for API603 gates as well as globe & check valves) Also, even though API no longer references trim# 2, for API603 gate, globe & check, (and in some commodity API600 gate valves in lower classes and under 300NB) it is still manufactured as it is specified by clients

Valve material Selection Chart MATERIAL SELECTION GUIDE

Valve material Selection Chart Note... This chart is meant to be used as a guide only and is based on average conditions Since many factors should be considered, temperature, pressure, per cent of concentration, etc, much care should be taken before a final selection is made

GUIDANCE ON VALVE TYPE SELECTION -b.ricardo

below the valve seat, preventing closure Reverse acting through conduit and knife-edged types are unaffected by this ii For throttling duties as the valve is very inefficient at controlling flow Full flow persists until the valve is 80% closed and very high velocities can be generated Erosion of seats and gate, etc may cause leakage

Ball Valve Selection Guide

Valve Selection Guide | 7 Specialty Products Media Containment Valve Sizes ¼" - 10" available for Triad, 7/8000, S85, F15/F30, RF15/RF30, S7000 Media Containment Units are designed to prevent costly down-time and provide double stem sealing Button-head check valve for injection of a sealing agent can be added Designed for

FLOW-TEK BALL VALVE SELECTION GUIDE

VALVE SELECTION GUIDE | 3 FLANGED BALL VALVES SERIES F15/30 METAL SEATED Full Port ½"-12" Pressure Ratings Carbon Steel Up to 505 psi @ 750°F Stainless Steel Up to 425 psi @ 750°F Available with a solid seat ring design Using hardened metal seats and balls, the valves can be used in applications exceeding the limits of soft seated ball

CONTROL VALVE HANDBOOK - Emerson Electric

Chapter 5 is a comprehensive guide to selecting the best control valve for an application Chapter 6 addresses the selection and use of special control valves Chapter 7 explains desuperheaters, steam conditioning valves, and turbine bypass systems Chapter 8 details typical control valve installation and maintenance procedures Chapter 9 contains information on control valve standards and

API 6A Gate Valves - Safoco, Inc.

VALVE TRIM CHART Notes: This trim chart provides information on materials included in standard valves offered by Array Special materials, trims and configurations are available upon customer request 10,000–15,000 psi slab gate valves and gate valves with ball screw operators have unique trim charts

VALVE SIZING & SELECTION TECHNICAL REFERENCE

conditions that may affect valve selection such as cavitation, flashing, high flow velocities or high flow noise The valve sizing process will determine the proper valve size, valve trim size, valve trim style and actuator size Warren's Valve Sizing Program (ValveWorks) will accurately calculate the C V, flow velocity and flow noise The

CHEMICAL COMPATIBILITY GUIDE - Global Supply Line

This guide considers the resistance of the total valve assembly as well as the resistance of individual trim and fitting materials The rating assigned to the valve body plus trim combinations is always that of the least resistant part In the cases where the valve body is ...

API Standard 520

As used in this standard, the term pressure-relief valve includes safety relief valves used in either compressible or incompressible fluid service, and relief valves used in

Table of Contents - American Petroleum Institute

144 Back-pressure valve API Specification 6A - 317 Unidirectional or bidirectional check valve that is installed through the christmas tree, into the tubing hanger, and prevents well fluids from flowing out of the well 145 Blind flange API Specification 6A - 318 Flange with no centre bore, used to close off completely a flanged end or outlet connection 146 Body API

PRESSURE RELIEF VALVE ENGINEERING HANDBOOK

sizing and selection, the user can thus be assured that Emerson's products are of the highest quality and technical standards in the world of pressure relief technology PRESSURE RELIEF VALVE ENGINEERING HANDBOOK CHAPTER 1 - INTRODUCTION When in doubt as to the proper application of any particular data, the

ESD VALVE SELECTION GUIDE GENERAL ESD VALVE DEFINITION

ESD VALVE SELECTION GUIDE - 3 - 3 VALVES 31 Valve series to be considered Ball Valves Butterfly valves 32 Selection process Application type Emergency closing or venting, note if selected valve is capable for partial stroke testing (eg venting vs but -

Piping codes, valve standards and ball valve selection

(b) Each cast iron and plastic valve must comply with the following: (1) The valve must have a maximum service pressure rating for temperatures that equal or exceed the maximum service temperature (2) The valve must be tested as part of the manufacturing, as follows: (i) With the valve in the fully open position, the shell must be tested with no

GATE, GLOBE & CHECK VALVES

5 GATE, GLOBE & CHECK VALVES | GATE VALVES DESIGN STANDARDS TEST / INSPECTION METHODS & ACCEPTANCE CRITERIA TEST / INSPECTION Bolted Bonnet Gate Valve API 600/ISO 10434 & ASME B1634 Pressure Seal Gate Valve (Long & Short pattern) Visual Inspection ASME B1634 API 603 Gate Valve API 603 API 6D Through Conduit Gate Valve

Purchasing Guide for Wellhead & Tree Equipment

With Reference to API 6A, 21st Edition Purchasing Guide for Wellhead & Tree Equipment When coupled with Stream-Flo processes provisions and customer applications, this booklet provides insight into API requirements for equipment and quality management systems It also provides a fundamental approach to purchasing equipment for the petroleum, petrochemical, and natural gas industries Table ...

Refinery Control Valves - API Ballots

& spring) and diaphragm-actuated (spring-return) control valves Control valve design considerations, are outlined such as valve selection, material selection, flow characteristic evaluation, and valve accessories It also discusses control valve sizing, fugitive emissions, and consideration of the effects of flashing, cavitation, and noise

CONTROL VALVE HANDBOOK - Chemical Processing

The Control Valve Handbook has been a primary reference for more than 30 years This third edition is a complete revision and update that includes vital information on control valve performance and the latest technologies Chapter 1 offers an introduction to control valves including definitions for common control valve and instrumentation

MATERIALS SELECTION

M-DP-001, Rev 1, December 1994 page 1 NORSOK STANDARD DESIGN PRINCIPLES MATERIALS SELECTION M-DP-001 Rev 1, December 1994 Please note that whilst every effort has been made to ensure the accuracy of the NORSOK standards neither OLF nor TBL or any of their members will assume liability for any use