

Valve Material Selection Guide

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Valve Material Selection Guide Title: Valve Material Selection Guide.tif Author: Administrator Created Date: 9/14/2007 4:06:01 PM Valve Material Selection Guide Choosing the proper valve material Engineers must consider flow media, pressure, flow velocity, and the intended purpose when selecting valves used in high-pressure water hydraulic circuits. By Mickey Heestand, Hunt Valve Inc. June 11, 2016 High-pressure water hydraulic systems have been widely used since they were developed in the late 1700s. Control Engineering | Choosing the proper valve material The DeZURIK Material Selection Guide is designed to be used as a guide in selecting the most cost-effective valve materials. This guide should only be used as a starting point in your selection process. There are a variety of conditions which can affect the material chosen. DeZURIK :: Material Selection Guide Valve or valve body material is another widely used search criterion used when engineers look for industrial valves. The media flowing through the valve, the surrounding environment and the future maintenance of the valve are factors impacting valve materials of construction. How to Select the Right Valve for Your Application ... Valve Seat & Seal Selection Guide Choosing The Right Seat Material is the Most Challenging Decision in Ball Valve Selection. VALVE REPAIR KITS INCLUDE ALL SOFT PARTS Seats - Body Seals - Stem Packing - Thrust Washer Flanged End 3 Piece C Valves Valve Soft Parts Flo-Tite ball valves are available with a variety of seat & seal options to allow use in a wide Choosing The Right Seat Material is ... -

Valves and Controls On the automotive side, PM is widely used as well as cast iron. Bronze valve guides are still widely used in European applications. Experts say substituting another valve or guide just because it is the same size is not the way to go. There are reasons that the materials were selected for use at the OE level. Valve and Guide Material, Selection Update - Engine ... Ball Valves. 3-Piece Valves. Triad Series; Tank Series; Media Containment Unit; Triad Series HP; Series 5000/6000; Series 7000/8000 ; Threaded Valves. Models HP/HX; Series 51; Series 85; Series S80; Series S70/S90; Series S20/FS20 ; Series S40; Flanged Valves. Models F15/F30; Models RF15/RF30 ; Severe Service; Multi-Port Valves. Multi-Port ... Materials Selection - Resources BODY MATERIALS The control valve user normally specifies the body material, which is often the same material as the pipe. The most common choices of body material are carbon steel, chrome-molybdenum steel and stainless steel. Carbon steel is the most commonly used material for bodies. ANSI Classes & Body Material Selection Materials Selection Guide - How to Use a) Corrosive Media Column - All media are listed alphabetically. All oil, water, and planting solution media have ... valve material code. Remember, Bray carries EPDM, Buna-N, and Teflon molded disc-stems, thus one should select Materials Selection Guide - How to Use 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. CONTROL VALVE HANDBOOK - Emerson Electric There are variety of different materials used apart from carbon steels for valve body, lets mentions some most widely used that are in accordance to the ASME B16.34: - Cast Iron (ASTM A126) in inexpensive, non-ductile material used for valve bodies controlling steam, water, gas and non-corrosive fluids. How To Select Valve Materials | Winning Fluid Equipment The most common applications in valves are for stem material in butterfly valves and backseat bushings and wedges in cast steel valves. 316 STAINLESS STEEL— An alloy of iron, carbon, nickel, and chromium, 316 stainless steel is nonmagnetic with more ductility than 400SS. CHEMICAL COMPATIBILITY GUIDE - Valve Stockist Suppliers The suitability of a valve for a particular application is decided by the materials used in relation to the conveyed fluid as well as its mechanical design. The table below can be used as a valve selection guide. Sorry to see that you are blocking ads on The Engineering ToolBox! Valves Selection Guide - Engineering ToolBox Ball Valve Seat Selection Guide PTFE (P). Made from Virgin Teflon, this is the most common sealing material; its chemical compatibility is excellent for... R-PTFE (R). The standard in most all of our ball valves. Carbon Filled PTFE (C). Good for steam service -50°F to 450°F. Flex-metal™ . A ... Ball Valve Seat Selection Guide - Triad Process > Technical FAQ > Valve Body Material Selection Guide. Product. Ball Valve. Floating Ball Valve Trunnion Mounted Ball Valve Fully Welded Ball Valve Metal Seated Ball Valve Top Entry Ball Valve. ... Material Group: Common Name Material Type: Forging Spec: UNS: Casting Spec. Equivalent: DIN: DIN W.No: Application: Carbon

Steel: CS: C-Mn-Fe: ASTM ... Valve Body Material Selection Guide - Relia Valve The following seat & seal materials can be used in various valves such as ball, plug, butterfly, needle, etc. BUNA-N (HYCAR or Nitrile)- Buna-N is a general-purpose polymer which has good resistance to oil, water, solvents and hydraulic fluids. It also displays good compression, abrasion resistance, and tensile strength. Applications - Valve Seat Seal Materials An offshore platform can have nearly 50,000 feet of tubing, more than 20,000 fluid system components, no fewer than 10,000 fittings, and as many as 8,000 mechanical connections. No wonder choosing one material isn't easy. That's where Swagelok can help. Materials Selection Guide | Swagelok VALVE MATERIAL SELECTION GUIDE WZVF IMPORTANT THESE RATINGS HAVE BEEN DEVELOPED FROM TECHNICAL PUBLICATIONS AND ARE HERE AS A GUIDE AND NOT AS A GUARANTEE. WARNING: Failure, improper selection, Or improper use of the products and/or systems referred to and described in this guide or related items can cause death, personal injury or property damage. This document provides product and/or system recommendations should include further investigation by users having technical expertise.

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