Compact Steel Globe & Check Valves
Flanged, Flangeless, Threaded, & Welding Ends
(Chemical & Petroleum Refinery Service)

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This Standard Practice has been withdrawn as an active standard effective 12/31/2012. The document will remain available from MSS as a historical document.
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Unless otherwise specifically noted in this MSS SP, any standard referred to herein is identified by the date of issue that was applicable to the referenced standard(s) at the date of issue of this MSS SP. (See Annex B.)

Non-toleranced dimensions in this Standard Practice are nominal, and, unless otherwise specified, shall be considered “for reference only”.

In this Standard Practice all notes, annexes, tables, and figures are construed to be essential to the understanding of the message of the standard, and are considered part of the text unless noted as "supplemental". All appendices appearing in this document are construed as "supplemental". Supplemental" information does not include mandatory requirements.

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List of MSS Standard Practices (Price List Available Upon Request)

Number
SP-6-2001 Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings
SP-9-2001 (R 05) Spot Facing for Bronze, Iron and Steel Flanges
SP-25-1996 Standard Marking System for Valves, Fittings, Flanges and Unions
SP-42-2004 Class 150 Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends
SP-43-1991 (R 01) Wrought Stainless Steel Butt-Welding Fittings
SP-44-2006 Steel Pipeline Flanges
SP-45-2003 Bypass and Drain Connections
SP-51-2007 Class 150LW Corrosion Resistant Flanges and Cast Flanged Fittings
SP-53-1999 (R 07) Quality Standard for Steel Castings and Forgings for Valves, Flanges and Fittings and Other Piping Components - Magnetic Particle Examination Method
SP-54-1999 (R 07) Quality Standard for Steel Castings for Valves, Flanges, and Fittings and Other Piping Components - Radiographic Examination Method
SP-56-2002 Pipe Hangers and Supports - Materials, Design and Manufacture
SP-60-2004 Connecting Flange Joint Between Tapping Sleeves and Tapping Valves
SP-61-2003 Pressure Testing of Steel Valves
SP-65-2004 High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets
SP-67-2006a Butterfly Valves
SP-68-1997 (R 04) High Pressure Butterfly Valves with Offset Design
SP-70-2006 Gray Iron Gate Valves, Flanged and Threaded Ends
SP-71-2005 Gray Iron Swing Check Valves, Flanged and Threaded Ends
SP-72-1999 Ball Valves with Flanged or Butt-welding Ends for General Service
SP-75-2004 Specification for High Test Wrought Butt Welding Fittings
SP-77-1996 (R 06) Guidelines for Pipe Support Contractual Relationships
SP-78-2005a Gray Iron Plug Valves, Flanged and Threaded Ends
SP-79-1994 Socket-Welding Reducer Inserts
SP-80-2003 Bronze Gate, Globe, Angle and Check Valves
SP-81-2006 Stainless Steel, Bonnetless, Flanged, Knife Gate Valves
SP-83-2006 Class 3000 Steel Pipe Unions, Socket-Welding and Threaded
SP-86-2002 Guidelines for Metric Data in Standards for Valves, Flanges, Fittings and Actuators
SP-87-1993 (R 01) Diaphragm Valves
SP-89-2003 Pipe Hangers and Supports - Fabrication and Installation Practices
SP-90-2000 Guidelines on Terminology for Pipe Hangers and Supports
SP-91-1992 (R 96) Guidelines for Manual Operation of Valves
SP-92-1999 MSS Valve User Guide
SP-94-1999 (R 04) Quality Std for Ferritic and Martensitic Steel Castings for Valves, Flanges, and Fittings and Other Piping Components - Ultrasonic Examination Method
SP-95-2006 Swage(d) Nipples and Bull Plugs
SP-96-2001 (R 05) Guidelines on Terminology for Valves and Fittings
SP-97-2003 Integrally Reinforced Forged Branch Outlet Fittings - Socket Welding, Threaded and Butt Welding Ends
SP-98-2001 (R 05) Protective Coatings for the Interior of Valves, Hydrants, and Fittings
SP-99-1994 (R 05) Instrument Valves
SP-100-2002 Qualification Requirements for Elastomer Diaphragms for Nuclear Service Diaphragm Valves
SP-101-1989 (R 01) Part-Turn Valve Actuator Attachment - Flange and Driving Component Dimensions and Performance Characteristics
SP-102-1989 (R 01) Multi-Turn Valve Actuator Attachment - Flange and Driving Component Dimensions and Performance Characteristics
SP-104-2003 Wrought Copper Solder Joint Pressure Fittings
SP-105-1996 (R 05) Instrument Valves for Code Applications
SP-106-2003 Cast Copper Alloy Flanges and Flanged Fittings, Class 125, 150 and 300
SP-108-2002 Resilient-Seated Cast-Iron Eccentric Plug Valves
SP-109-1997 (R 06) Welded Fabricated Copper Solder Joint Pressure Fittings
SP-110-1996 Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
SP-111-2001 (R 05) Gray-Iron and Ductile-Iron Tapping Sleeves
SP-112-1999 (R 04) Quality Standard for Evaluation of Cast Surface Finishes - Visual and Tactile Method. This SP must be sold with a 10-surface, three Dimensional Cast Surface Comparator, which is a necessary part of the Standard. Additional Comparators may be sold separately.
SP-113-2001 Connecting Joint between Tapping Machines and Tapping Valves
SP-114-2001 Corrosion Resistant Pipe Fittings Threaded and Socket Welding, Class 150 and 1000
SP-115-2006 Excess Flow Valves, 1 1/4 NPS and Smaller, for Fuel Gas Service
SP-116-2003 Service Line Valves and Fittings for Drinking Water Systems
SP-117-2006 Bellows Seals for Globe and Gate Valves
SP-118-2007 Compact Steel Globe & Check Valves - Flanged, Flangeless, Threaded & Welding Ends (Chemical & Petroleum Refinery Service)
SP-119-2003 Factory-Made Beled End Socket Welding Fittings
SP-120-2006 Flexible Graphite Packing System for rising Stem Steel Valves (Design Requirements)
SP-121-2006 Qualification Testing Methods for Stem Packing for Rising Stem Steel Valves
SP-122-2005 Plastic Industrial Ball Valves
SP-123-1998 (R 06) Non-Ferrous Threaded and Solder-Joint Unions for Use with Copper Water Tube
SP-124-2001 Fabricated Tapping Sleeves
SP-125-2000 Gray Iron and Ductile Iron In-Line, Spring-Loaded, Center-Guided Check Valves
SP-126-2000 Steel In-Line Spring-Assisted Center Guided Check Valves
SP-128-2006 Ductile Iron Gate Valves
SP-129-2003 Copper-Nickel Socket-Welding Fittings and Unions
SP-130-2003 Bellows Seals for Instrument Valves
SP-131-2004 Metallic Manually Operated Gas Distribution Valves
SP-132-2004 Compression Packing Systems for Instrument Valves
SP-133-2005 Excess Flow Valves for Low Pressure Fuel Gas Appliances
SP-134-2006a Valves for Cryogenic Service Including Requirements for Body/Bonnet Extensions
SP-135-2006 High Pressure Steel Knife Gate Valves

A large number of former MSS Practices have been approved by the ANSI or ANSI Standards, published by others. In order to maintain a single source of authoritative information, the MSS withdraws its Standard Practices in such cases.

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