

Process Valve Qualification Procedure

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Contents

	Page
1 Scope	1
2 Normative References	1
3 Terms and Definitions	2
4 Purchaser Responsibilities and Recommended Actions	3
5 Manufacturer Quality Management System Evaluation	4
5.1 General	4
5.2 Record and Documentation Review	4
5.3 Right of Access	4
5.4 Document Control	4
6 Valve Qualification	4
6.1 Data to be Provided by Manufacturer	4
6.2 Valve Qualification Facility	5
6.3 Selection of Valves	6
6.4 Required Examination and Testing	6
6.5 Documentation of Examination and Test Results	8
7 Post Qualification	9
Annex A (normative) Selection Quantities for Examination and Test of Valves Made in Accordance with API Valve Standards	10
Annex B (normative) Strength Tests for Stem Shaft-to-closure Element Connections	14
Annex C (informative) Suggested Minimum Acceptable Casting Radiographic Results for Wall Thickness < 50 mm (2 in.)	16
Annex D (normative) Examination and Testing Tables	17
Figure	
B.1 Torsional Testing	15
Tables	
1 Material Examination Table	7
A.1 Valve Selection Material Categories	10
A.2 Suggested Size and Class to be Tested for Each Type Check Valve (Single Plate, Dual Plate, Swing Type) Made in Accordance with API 594 or ASME B16.34	11
A.3 Suggested Size and Class to be Tested for Each Type Plug Valve (Lubricated, Non-lubricated, Elastomer Lined, Wedge Type) Made in Accordance with API 599	11
A.4 Suggested Size and Class to be Tested for Steel Gate Valves Made in Accordance with API 600	11
A.5 Suggested Size and Class to be Tested for Flanged Steel Gate Valves Made in Accordance with API 602	11
A.6 Suggested Size and Class to be Tested for Threaded/SW Steel Gate Valves Made in Accordance with API 602	12
A.7 Suggested Size, Class and Type to be Tested for Steel Globe and Check Valves Made in Accordance with API 602	12
A.8 Suggested Size and Class to be Tested for Steel Gate Valves Made in Accordance with API 603	12

A.9 Suggested Size and Class to be Tested for Each Type Ball Valve (Floating Type: End Entry, Split Body, Three Piece and Top Entry; Trunnion Type: Split Body, Three Piece) Made in Accordance with API 608	13
A.10 Suggested Size and Material Type to be Tested for Butterfly Valves (Class 150, Ductile Iron, Grey Iron) Made in Accordance with API 609 (Category A)	13
A.11 Suggested Size and Class to be Tested for Each Type of Offset Butterfly Valves Made in Accordance with API 609 (Category B)	13
A.12 Suggested Size and Class to be Tested for Steel Globe Valves Made in Accordance with ASME B16.34 or API 623	13
C.1 Acceptable Casting Radiographic Results	16
D.1 Dimension and Finishes Table	17
D.2 Visual Examinations	19

Process Valve Qualification Procedure

1 Scope

This recommended practice (RP) provides recommendations for evaluation of a manufacturer's valve construction and quality management system for the purpose of determining a manufacturer's capability to provide new valves manufactured in accordance with the applicable standards listed in Section 2.

Qualification of valves under this RP is "manufacturing facility specific" and does not cover valves manufactured by other manufacturing facilities, whether owned by the same manufacturer or a third party.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API RP 578, *Material Verification Program for New and Existing Alloy Piping Systems*

API 594, *Check Valves: Flanged, Lug, Wafer, and Butt-welding*

API 598, *Valve Inspection and Testing*

API 599, *Metal Plug Valves—Flanged, Threaded and Welding Ends*

API 600, *Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries*

API 602, *Steel Gate, Globe and Check Valves for Sizes DN 100 and Smaller for the Petroleum and Natural Gas Industries*

API 603, *Corrosion-resistant, Bolted Bonnet Gate Valves—Flanged and Welding End*

API 607, *Fire Test for Quarter-turn Valves and Valves Equipped with Nonmetallic Seats*

API 608, *Metal Ball Valves—Flanged, Threaded, and Butt-welding Ends*

API 609, *Butterfly Valves: Double Flanged, Lug- and Wafer-type*

API 623, *Steel Globe Valves-Flanged and Butt-welding Ends, Bolted Bonnets*

API 624, *Type Testing of Rising Stem Valves Equipped with Flexible Graphite Packing for Fugitive Emissions*

ASME B1.1¹, *Unified Inch Screw Threads (UN & UNR Thread Form)*

ASME B16.5, *Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24 Metric/Inch Standard*

ASME B16.10, *Face-to-Face and End-to-End Dimensions of Valves*

ASME B16.11, *Forged Fittings, Socket-Welding and Threaded*

ASME B16.25, *Buttwelding Ends*

¹ ASME International, 3 Park Avenue, New York, New York 10016-5990, www.asme.org.