

GP 03-12-09	General Requirements for Valves	May 2004
-------------	---------------------------------	----------

General Requirements for Valves

GP 03-12-09

Scope

[I] This Global Practice (GP) covers general requirements governing the design, inspection, testing, and preparation for shipment of valves.

[I] An asterisk (*) indicates that a decision by Purchaser is required or that additional information is furnished by Purchaser.

Downstream, Chemical, Downstream Imperial Oil	For ExxonMobil Use Only	Version 2.0.0
Page 1 of 9	©ExxonMobil Development Company	



Documents

Document Sharing Hub

GP 03-12-09	General Requirements for Valves	May 2004
-------------	---------------------------------	----------

Table of Contents

1. Required References	3
1.1. Global Practices–ExxonMobil Engineering Practices	3
1.2. API–American Petroleum Institute	3
1.3. ASME–American Society of Mechanical Engineers	3
2. Additional Requirements	3
2.1. Global Practices–ExxonMobil Engineering Practices	3
2.2. API–American Petroleum Institute	4
2.3. ASME–American Society of Mechanical Engineers	4
2.4. NACE–National Association of Corrosion Engineers	4
3. Materials	4
4. Design	5
4.1. Additional Requirements for Valves Equipped with Chainwheels	5
5. Additional Requirements for Low Alloy Valves in Hydrogen Service and Austenitic Stainless Steel Valves in High Pressure Service	6
6. Additional Requirements for Valves in Wet H₂S Service	6
7. Inspection and Testing	6
8. Preparation for Shipment	7
8.1. General Requirements	7
8.2. Protective Coatings	7
8.3. Valve Protection	7
8.4. Identification and Labeling	7
Record of Change	9
Attachment: Purpose Codes Definitions	10

DNST, CHEM, DIOL	For ExxonMobil Use Only	Version 2.0.0
Page 2 of 9	©ExxonMobil Development Company	



Documents

Document Sharing Hub

GP 03-12-09	General Requirements for Valves	May 2004
-------------	---------------------------------	----------

1. Required References

[I] This Section lists Practices and Standards that are generically referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. Global Practices–ExxonMobil Engineering Practices

GP 03-12-08	Block Valve Packing Systems
GP 20-01-01	Inspection of Equipment and Materials

1.2. API–American Petroleum Institute

API STD 598	Valve Inspection and Testing
-------------	------------------------------

1.3. ASME–American Society of Mechanical Engineers

ASME B16.34	Valves - Flanged, Threaded, and Welding End
-------------	---

2. Additional Requirements

* [I] The following Practices and Standards shall be used with this Practice as specified by the Owner's Engineer.

2.1. Global Practices–ExxonMobil Engineering Practices

GP 03-16-01	Flanged Joints, Gaskets, and Bolting
GP 15-09-02	Electric Motor Operators for Valves
GP 18-03-04	Pressure Casting Quality and Inspection
GP 18-04-01	Postweld Heat Treatment of Equipment Handling Alkaline Solutions
GP 18-07-01	Welding Procedures
GP 18-10-01	Additional Requirements for Materials
GP 18-12-01	Positive Material Identification

DNST, CHEM, DIOL	For ExxonMobil Use Only	Version 2.0.0
Page 3 of 9	©ExxonMobil Development Company	



Documents

Document Sharing Hub