

API 607

Fire Test for Soft-Seated Quarter-Turn Valves

Last updated: November 30, 2010

Standard	Edition	Section	Inquiry #	Question	Reply
607	Fourth Edition, May 1993	1.4		The test pressure is not listed for downstream sealing Class 600 ball valves. What should it be?	The test pressure should be 30 psig or 2 bar, in accordance with paragraph 1.4.8.
607	Fourth Edition, May 1993	4.4		Referring to section 4.4.8, does ASTM A 193, Grade B7 include ASTM A 193 Grade B7M?	No.
607	Fourth Edition, May 1993	4.4		Referring to section 4.4.8, does qualification of a valve with B7M fasteners also qualify valves with fasteners conforming to other ASTM specifications listed in Table 1 of ASME B16.34, except ASTM 307, Grade B7?	No.
607	Fourth Edition, May 1993	4.5		Referring to section 4.5.2, may valves qualified by fire testing as specified in the third edition of API 607 be supplied before May 1996 regardless of when fire testing is done i.e. 1992, 1994, 1995?	Yes.
607	Fourth Edition, May 1993	4.5		Referring to section 4.5.2, are fire tests done in accordance with API 607, 4th edition, only valid for 3 years?	No.
607	Fourth Edition, May 1993	Table 3		Is a manufacturer permitted to select a test valve other than the size specified in Table 3?	Yes. However, for valves smaller than NPS 8, the test would only qualify valves of the size tested.
607	Fourth Edition, May 1993	Table 3		Can a valve with a size different than the size of the test valves given in Table 3 be used to qualify other valve sizes?	No, except a valve NPS 8 or larger can qualify valves one size smaller than the test valve and all sizes larger than the test valve.

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J Elliott



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Handbook of Fire and Explosion Protection Engineering Principles Dennis P. Nolan, 2010-12-15 Handbook of Fire and Explosion Protection Engineering Principles for Oil Gas Chemical and Related Facilities is a general engineering handbook that provides an overview for understanding problems of fire and explosion at oil gas and chemical facilities This handbook offers information about current safety management practices and technical engineering improvements It also provides practical knowledge about the effects of hydrocarbon fires and explosions and their prevention mitigation principals and methodologies This handbook offers an overview of oil and gas facilities and it presents insights into the philosophy of protection principles Properties of hydrocarbons as well as the characteristics of its releases fires and explosions are also provided in this handbook The book includes chapters about fire and explosion resistant systems fire and gas detection systems alarm systems and methods of fire suppression The handbook ends with a discussion about human factors and ergonomic considerations including human attitude field devices noise control panic and security People involved with fire and explosion prevention such as engineers and designers will find this book invaluable A unique practical guide to preventing fires and explosions at oil and gas facilities based on the author s extensive experience in the industry An essential reference tool for engineers designers and others facing fire protection issues Based on the latest NFPA standards and interpretations *Guidelines for Engineering Design for Process Safety* CCPS (Center for Chemical Process Safety), 2012-04-10 This updated version of one of the most popular and widely used CCPS books provides plant design engineers facility operators and safety professionals with key information on selected topics of interest The book focuses on process safety issues in the design of chemical petrochemical and hydrocarbon processing facilities It discusses how to select designs that can prevent or mitigate the release of flammable or toxic materials which could lead to a fire explosion or environmental damage Key areas to be enhanced in the new edition include inherently safer design specifically concepts for design of inherently safer unit operations and Safety Instrumented Systems and Layer of Protection Analysis This book also provides an extensive bibliography to related publications and topic specific information as well as key information on failure modes and potential design solutions **Handbook of Fire and Explosion Protection Engineering Principles for Oil, Gas, Chemical, and Related Facilities** Dennis P. Nolan, 2018-10-11 Handbook of Fire and Explosion Protection Engineering Principles for the Oil Gas Chemical and Related Facilities Fourth Edition discusses high level risk analysis and advanced technical considerations such as process control emergency shut downs and evaluation procedures As more engineers and managers are adopting risk based approaches to minimize risk maximize profits and keep operations running smoothly this reference encompasses all the critical equipment and standards necessary for the process industries including oil and gas Updated with new information covering fire and explosion resistant systems drainage systems and human factors this book delivers the equipment standards needed to protect today s petrochemical assets and facilities Provides tactics on

how to revise and upgrade company policies to support safer designs and equipment Helps readers understand the latest in fire suppression and explosion risks for a process plant in a single source Updates on how to evaluate concerns thus helping engineers and managers process operating requests and estimate practical cost benefit factors *The Comprehensive Valve Dictionary* Karan Sotoodeh,2025-09-10 This book is a pioneering reference work designed to address the complex terminology technical specifications and diverse applications of valves in industrial systems The Comprehensive Valve Dictionary is an authoritative and practical reference that demystifies the technical language surrounding industrial valves The dictionary provides detailed definitions of over a thousand valve related terms including valve types components materials standards testing methods and failure mechanisms In addition to traditional applications this dictionary places significant emphasis on valves used in renewable energy systems including those for hydrogen production hydropower carbon capture and storage CCS geothermal energy and wind power Moreover it explores the definitions and real world applications of cutting edge technologies such as smart valves condition monitoring digital twin technology and additive manufacturing It also includes cross references to relevant international standards e g API ASME ISO troubleshooting guides and operational insights By bridging gaps in understanding this resource will support professionals in making informed decisions improving system reliability and ensuring compliance with industry best practices This work is specifically tailored for engineers designers manufacturers and researchers working in oil and gas petrochemicals power generation and renewable energy industries

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