



## API 17D flange specification

### Size range

1/2" to 48"

### Flange pressure rating

Class 150 - 2500

### Production process

- Forging
- Casting
- Cutting
- Rolling



MTC EN 10204 3.1 & 3.2

### Dimensional standards

- ASME B16.5
- ASME B16.47 Series A & B
- MSS SP44

### Types of flanges

- Blind Flange
- Weld Neck Flange
- Slip On Flange
- Socket Weld Flange
- Threaded Flange
- Lap Joint Flange
- Spectacle Blind Flange
- Forged Flanges
- Plate Flange

# Api 17d Standard

**CH Cherryholmes**



## Api 17d Standard:

**Subsea Valves and Actuators for the Oil and Gas Industry** Karan Sotoodeh, 2021-05-29 Piping and valve engineers rely on common industrial standards for selecting and maintaining valves but these standards are not specific to the subsea oil and gas industry Subsea Valves and Actuators for the Oil and Gas Industry delivers a needed reference to go beyond the standard to specify how to select test and maintain the right subsea oil and gas valve for the project Each chapter focuses on a specific type of valve with a built in structured table on valve selection helping guide the engineer to the most efficient valve Covering subsea specific protection the reference also gives information on high pressure protection systems HIPPS and discusses corrosion management within the subsea sector such as Hydrogen Induced Stress Cracking Corrosion HISC Additional benefits include understanding the concept of different safety valves in subsea selecting different valves and actuators located on subsea structures such as Christmas trees manifolds and HIPPS modules with a full detail review including sensors logic solver and solenoid which is designed to save cost and improve the reliability in the subsea system Rounding out with chapters on factory acceptance testing FAT and High Integrity Pressure Protection Systems HIPPS Subsea Valves and Actuators for the Oil and Gas Industry gives subsea engineers and managers a much needed tool to better understand today s subsea technology Understand practical information about all types of subsea valves and actuators with over 600 visuals and several case studies Learn and review the applicable standards and specifications from API and ISO in one convenient location Protect your assets with a high pressure protection system HIPPS and subsea specific corrosion management including Hydrogen Induced Stress Cracking Corrosion HISC Metallurgy and Corrosion Control in Oil and Gas Production Robert Heidersbach, 2018-09-17 Details the proper methods to assess prevent and reduce corrosion in the oil industry using today s most advanced technologies This book discusses upstream operations with an emphasis on production and pipelines which are closely tied to upstream operations It also examines protective coatings alloy selection chemical treatments and cathodic protection the main means of corrosion control The strength and hardness levels of metals is also discussed as this affects the resistance of metals to hydrogen embrittlement a major concern for high strength steels and some other alloys It is intended for use by personnel with limited backgrounds in chemistry metallurgy and corrosion and will give them a general understanding of how and why corrosion occurs and the practical approaches to how the effects of corrosion can be mitigated Metallurgy and Corrosion Control in Oil and Gas Production Second Edition updates the original chapters while including a new case studies chapter Beginning with an introduction to oilfield metallurgy and corrosion control the book provides in depth coverage of the field with chapters on chemistry of corrosion corrosive environments materials forms of corrosion corrosion control inspection monitoring and testing and oilfield equipment Covers all aspects of upstream oil and gas production from downhole drilling to pipelines and tanker terminal operations Offers an introduction to corrosion for entry level corrosion control specialists Contains detailed photographs to illustrate descriptions in the text

Metallurgy and Corrosion Control in Oil and Gas Production Second Edition is an excellent book for engineers and related professionals in the oil and gas production industries It will also be an asset to the entry level corrosion control professional who may have a theoretical background in metallurgy chemistry or a related field but who needs to understand the practical limitations of large scale industrial operations associated with oil and gas production **Prevention of Actuator**

**Emissions in the Oil and Gas Industry** Karan Sotoodeh,2021-06-02 Prevention of Actuator Emissions in the Oil and Gas Industry delivers a critical reference for oil and gas engineers and managers to get up to speed on all the factors in actuator fugitive emissions Packed with a selection process the benefits of switching to an electric system and the technology around open and closed loop hydraulic systems helps today s engineer understand all their options Rounding with a detailed explanation around High Integrity Pressure Protection Systems HIPPS this book gives provides the knowledge necessary to lower emissions on today s equipment Gives readers all they need to understand all the sources and key factors contributing to fugitive emissions and leakage from oil and gas actuators Teaches how to select environmentally friendly actuators particularly all electric systems Introduces the High Integrity Pressure Protection System HIPPS and the ways it reduces flaring

**The ROV Manual** Robert D Christ,Robert L. Wernli Sr,2013-10-16 Written by two well known experts in the field with input from a broad network of industry specialists The ROV Manual Second Edition provides a complete training and reference guide to the use of observation class ROVs for surveying inspection and research purposes This new edition has been thoroughly revised and substantially expanded with nine new chapters increased coverage of mid sized ROVs and extensive information on subsystems and enabling technologies Useful tips are included throughout to guide users in gaining the maximum benefit from ROV technology in deep water applications Intended for marine and offshore engineers and technicians using ROVs The ROV Manual Second Edition is also suitable for use by ROV designers and project managers in client companies making use of ROV technology A complete user guide to observation class ROV remotely operated vehicle technology and underwater deployment for industrial commercial scientific and recreational tasks Substantially expanded with nine new chapters and a new five part structure separating information on the industry the vehicle payload sensors and other aspects Packed with hard won insights and advice to help you achieve mission results quickly and efficiently

*Handbook of Nondestructive Evaluation 4.0* Norbert Meyendorf,Nathan Ida,Ripudaman (Ripi) Singh,Johannes Vrana,2025-06-29 This handbook now as second edition continues to comprehensively cover the cutting edge trends and techniques essential for the integration of nondestructive evaluation NDE into the changing face of the modern industrial landscape In particular it delves into the marriage of NDE with new techniques in e g data mining and management cloud computing autonomous operation AI for data analysis and decision making as well as cyber security highlighting the potential for cyber physical controlled production and discussing the myriad possible applications across many different industries The Handbook of NDE 4 0 centers around the Industry 4 0 philosophy the next generation of industrial production encompassing

all aspects of networking across all industrial areas It discusses the adaptation of existing NDE techniques to emerging new technological areas such as 3D printing via the introduction of cyber systems into the inspection and maintenance processes In addition the handbook covers topics such as the management and processing of big data with respect to real time monitoring of structural integrity and reliable inspection of individual components Remote NDE to include competence not available on site will be a potential technique to increase reliability of NDE inspections by integrating additional specialist inputs into the decision process by methods such as telepresence thereby better leveraging the scarce resources of senior inspectors into industrial inspections at multiple sites The handbook also includes non technical topics of direct relevance to leadership management and adoption of this new philosophy The handbook houses a wealth of essential information to help academics industry professionals regulatory bodies and entrepreneurs navigate through this burgeoning new field The material in this handbook is presented with the intention of ultimately improving human safety through reliable inspections and dependable maintenance of critical infrastructure while also enhancing business value through reduced downtime affordable maintenance and talent optimization The content is positioned to inspire NDE professionals to think broadly in terms of their role as continuous value add rather than discrete decision support This second edition contains many new chapters and half of all chapters were revised from the 1st edition based on the engagement of authors through global platforms such as the ICDNT Specialist International Group on NDE 4 0 and the International conference series on NDE 4 0

**Proceedings - Offshore Technology Conference** ,1998     *API Specification* American Petroleum Institute.  
 Production Dept,1992     *Underwater Technology* ,2001     **Specification for Subsea Wellhead and Christmas Tree Equipment** American Petroleum Institute. Production Department,1992 Cover title     **Catalog of American national standards. 1994** ,1994     **Subsea Achievements and Challenges** ,1992     Paper ,1991     Proceedings of the Annual Convention - Indonesian Petroleum Association Indonesian Petroleum Association,1996     **Catalog of American National Standards** American National Standards Institute,1995     **Oil&Gas Journal** ,1996     **International Ocean Systems Design** ,1999     Publications, Programs & Services American Petroleum Institute,2005     *Petroleum Abstracts* ,1993  
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