

喉径P规格尺寸 External Dimension of P orifice area

型号 Type	规格 Size	法兰等级 Flange Class			38℃最高背压 Back Press. Limit 38℃ (MPa)		外形尺寸 (mm) External Dimension						重量 Weight (Kg)
	P=φ72 4116mm ³						L	L1	X	H			
		编号 NO.	进口(Lb) Inlet	出口(Lb) Outlet	LFO	LFB				B A42	C A48	E A44	
(A42, A48, A44型)	4 P 6	0101	150	150	1.96	0.55	228.5	181.0	54	630	640	650	117
	4 P 6	0301	300	150	1.96	0.55	228.5	181.0	54	630	640	650	124
	4 P 6	03a01	300	150	1.96	1.03	254.0	225.5	54	700	710	720	124
(WA42型)	4 P 6	0601	600	150	1.96	1.03	254.0	225.5	65	740	750	760	210
	4 P 6	0901	900	150	1.96	1.03	254.0	225.5	65	740	750	760	250

喉径Q规格尺寸 External Dimension of Q orifice area

型号 Type	规格 Size	法兰等级 Flange Class			38℃最高背压 Back Press. Limit 38℃ (MPa)		外形尺寸 (mm) External Dimension						重量 Weight (Kg)
	Q=φ96 7129mm ³						L	L1	X	H			
		编号 NO.	进口(Lb) Inlet	出口(Lb) Outlet	LFO	LFB				B A42	C A48	E A44	
(A42, A48, A44型)	6 Q 8	0101	150	150	0.79	0.48	241.5	239.5	59	685	700	700	151
	6 Q 8	0301	300	150	0.79	0.48	241.5	239.5	59	765	810	810	208
	6 Q 8	03a01	300	150	0.79	0.79	241.5	239.5	59	765	810	810	215
(WA42型)	6 Q 8	0601	600	150	0.79	0.79	241.5	239.5	75	835	920	920	255

Api Rp 526

Daniel A. Crowl, Joseph F. Louvar



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Ludwig's Applied Process Design for Chemical and Petrochemical Plants Incorporating Process Safety Incidents A.
Kayode Coker, 2024-07-10 Ludwig's Applied Process Design for Chemical and Petrochemical Plants Incorporating Process Safety Incidents is ever evolving starting with the first edition some 60 years ago The volumes in this fifth edition provide improved techniques and fundamental design methodologies to guide the practicing engineer in designing process equipment and applying chemical processes to the properly detailed hardware As indicative of the new title process safety incidents are incorporated in many of the chapters reviewing the root causes and how these could be mitigated in future Like its predecessor this new edition continues to present updated information for achieving optimum operational and process conditions and to avoid problems caused by inadequate sizing and lack of internally detailed hardware The volumes provide both fundamental theories where applicable and direct application of these theories to applied equations essential in the design effort This approach in presenting design information is essential for troubleshooting process equipment and in executing system performance analysis Volume 1B continues to cover mixing of liquids process safety and pressure relieving devices metallurgy and corrosion and process optimization It builds upon Ernest E Ludwig's classic text to further enhance its use as a chemical engineering process design manual of methods and proven fundamentals This new edition includes new content on three phase separation mixing of liquids ejectors and mechanical vacuum systems process safety and pressure relieving devices metallurgy and corrosion and optimization of chemical process blending Some chapters review pressure relieving devices and provide case studies for process safety incidents which are well illustrated from US Chemical Safety Hazard Investigation Board www.csb.gov Finally this book contains a glossary of Petroleum and Petrochemical Terminologies and Physical and Chemical Characteristics of Major Hydrocarbons Provides improved design manual for methods and proven fundamentals of process design with related data and charts Covers complete range of basic day to day petrochemical operation topics Extensively revised with new material added on three phase separation metallurgy and corrosion Process safety management HAZOP and hazard analyses and optimization of chemical process blending Presents many examples using Honeywell UniSim Design software developed and executable computer programs and Excel spreadsheet programs Includes case studies of process safety incidents guidance for troubleshooting and checklists Includes Software of Conversion Table and 30 process data sheets in excel format

Chemical Engineering Design Ray Sinnott, Gavin Towler, 2009-05-15 Chemical Engineering Design is one of the best known and most widely adopted texts available for students of chemical engineering It completely covers the standard chemical engineering final year design course and is widely used as a graduate text The hallmarks of this renowned book have always been its scope practical emphasis and closeness to the curriculum That it is written by practicing chemical engineers makes it particularly popular with students who appreciate its relevance and clarity Building on this position of strength the fifth edition covers the latest aspects of

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Chemical Engineering Design Gavin Towler, Ray Sinnott, 2007-11-26

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API Recommended Practice American Petroleum Institute. Production Dept, 1991

Recommended Practice for Design and Installation of Offshore Production Platform Piping Systems American Petroleum Institute. Production Department, 1991

Piping Materials Guide Peter Smith, 2005-01-20 The only book of its kind on the market this book is the companion to our Valve Selection Handbook by the same author Together these two books form the most comprehensive work on piping and valves ever written for the process industries This book covers the entire piping process including the selection of piping materials according to the job the application of the materials and fitting trouble shooting techniques for corrosion control inspections for OSHA regulations and even the warehousing distributing and ordering of materials There are books on materials fitting OSHA regulations and so on but this is the only one stop shopping source for the piping engineer on piping materials Provides a one stop shopping source for the piping engineer on piping materials Covers the entire piping process Designed as an easy to access guide

Lees' Loss Prevention in the Process Industries Frank Lees, 2005-01-10 Over the last three decades the process industries have grown very rapidly with corresponding increases in the quantities of hazardous

materials in process storage or transport Plants have become larger and are often situated in or close to densely populated areas Increased hazard of loss of life or property is continually highlighted with incidents such as Flixborough Bhopal Chernobyl Three Mile Island the Phillips 66 incident and Piper Alpha to name but a few The field of Loss Prevention is and continues to be of supreme importance to countless companies municipalities and governments around the world because of the trend for processing plants to become larger and often be situated in or close to densely populated areas thus increasing the hazard of loss of life or property This book is a detailed guidebook to defending against these and many other hazards It could without exaggeration be referred to as the bible for the process industries This is THE standard reference work for chemical and process engineering safety professionals For years it has been the most complete collection of information on the theory practice design elements equipment regulations and laws covering the field of process safety An entire library of alternative books and cross referencing systems would be needed to replace or improve upon it but everything of importance to safety professionals engineers and managers can be found in this all encompassing reference instead Frank Lees world renowned work has been fully revised and expanded by a team of leading chemical and process engineers working under the guidance of one of the world s chief experts in this field Sam Mannan is professor of chemical engineering at Texas A

principles practice codes standards data and references needed by those practicing in the field *Standards and Practices for Instrumentation* Instrument Society of America, Mark T. Yothers, 1977

Fitness-for-Service Evaluations for Piping and Pressure Vessels George Antaki, 2005 Publisher s Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product Based on some of his students most frequently asked questions Antaki emphasizes the practical applications of this ASME recommended practice With this book readers will understand and apply API 579 in their daily work The material is based on the author s course and presented in clear concise manor The book demonstrates how the disciplines of stress analysis materials engineering and nondestructive inspection interact and apply to fitness for service assessment These assessment methods apply to pressure vessels piping and tanks that are in service This makes it the perfect companion book for Ellenberger s Pressure Vessels ASME Code Simplified as well as Ellenberger s Piping Systems and Pipeline ASME B31 Code Simplified

Pressure Relief Devices Mohammad A. Malek, 2005-10-06 Publisher s Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product Boilers storage tanks and water heaters require relief devices to prevent overpressure that may cause serious injuries to personnel This book explains in simple language the codes that govern their maintenance and continued operations Within the boiler piping and pressure vessel industry pressure relief devices are considered one of the most important safety components These Devices are literally the last line of defense against catastrophic failure or even lose of life Written in plain language this fifth book in the ASME Simplified series addresses the various codes and recommended standards of practice for the maintenance and

continued operations of pressure relief valves as specified by the American Society of Mechanical Engineers and the American Petroleum Institute Covered in this book are preventive maintenance procedures methods for evaluation of mechanical components and accepted methods for cleaning adjusting and lubricating various components to assure continued operation and speed performance as well as procedures for recording and evaluating these items *Guidelines for Pressure Relief and Effluent Handling Systems* American Institute of Chemical Engineers. Center for Chemical Process Safety,1998-03-15 Current industry government and public emphasis on containment of hazardous materials makes it essential for each plant to reduce and control accidental releases to the atmosphere *Guidelines for Pressure Relief and Effluent Handling Systems* meets the need for information on selecting and sizing pressure relief devices and effluent handling systems that will maintain process integrity and avoid discharge of potentially harmful materials to the atmosphere With a CD ROM enclosed containing programs for calculating flow through relief devices effluent handling systems and associated piping the book offers an important collection of state of the art technology for safely relieving process equipment of such conditions as overpressure overtemperature and or runaway reactions It provides information for two phase and compressible gas flow to select and size pressure relief devices piping and effluent handling equipment such as gravity separators cyclones spargers and quench pools The book has an important collection of state of the art technology for safely relieving process equipment of conditions such as overpressure overtemperature and or run away reactions It provides information for two phase and compressible gas flow to select and size pressure relief devices piping and effluent handling equipment such as gravity separators cyclones spargers and quench pools Special Details CD files for this title can now be found by entering the ISBN 9780816904761 on booksupport.wiley.com *Toxic Substance Storage Tank Containment* Ecology and Environment, Inc,1985 Good No Highlights No Markup all pages are intact Slight Shelfwear may have the corners slightly dented may have slight color changes slightly damaged spine *Regelverksamling for petroleumsvirksomheten* Norway. Oljedirektoratet,1991 [Journal of the Institution of Petroleum Technologists](#) Institute of Petroleum (Great Britain),1969 Vols 7 include Abstracts which beginning with v 9 form a separately paged section and from v 17 on have separate title pages [The Technology of Catalytic Oxidations](#) Philippe Arpentinier,Fabrizio Cavani,Ferruccio Trifirò,2001 Volume 1 covers the most important technological aspects of the use of molecular oxygen for catalytic oxidation reactions Volume 2 addresses the safety issues associated with the use of oxygen in catalytic oxidation reactions Contents Vol 1 1 Introduction 2 Chemical physical properties of molecular oxygen 3 Oxygen production technologies 4 Chemical fundamentals of oxidation reactions 5 Reactor technologies for multiphase systems 6 Liquid phase oxidations 7 Gas phase selective oxidations 8 Selective oxidation of paraffins References Index Vol 2 9 Introduction to safety problems in the chemical industry 10 Chemical aspects of combustion in the gaseous phase 11 Homogeneous chemical explosions autoignition or spontaneous ignition 12 Deflagration or propagation of flame 13 Conditions governing flame propagation

capability 14 Detonation in the gaseous phase 15 Prevention of and protection against explosions References Index

Chemical Process Safety Daniel A. Crowl, Joseph F. Louvar, 2019-03-01 The 1 Process Safety Guide Now Extensively Updated for Current Industrial Processes Systems and Practices Process safety has seen a dramatic consolidation of concepts in the past few years *Chemical Process Safety Fourth Edition* provides students and working engineers with the understanding necessary to apply these new concepts to safely design and operate any process Long the definitive guide in the field this edition fully reflects major recent advances in process safety technology and practice Readers will find extensive new and updated coverage of relief sizing hazards identification risk assessment and many other topics Several chapters have been completely rewritten and all are substantially modified This textbook includes 50 new problems and solutions mostly in SI units and 25 new case histories Safety culture Preventive and mitigative safeguards The CCPS 20 elements of Risk Based Process Safety RBPS Toxicology industrial hygiene and source models Hazardous material dispersion Fires explosions and concepts for preventing them Chemical reactivity Reliefs and relief sizing Hazards identification and evaluation Risk analysis and assessment including Layer of Protection Analysis LOPA Safety strategies procedures designs case histories and lessons learned Crowl and Louvar link key academic concepts to modern industrial practice making this guide invaluable for all engineering students and for all working engineers Register your product for convenient access to downloads updates and or corrections as they become available See inside book for details **Oilfield Processing of Petroleum: Crude oil** Francis S. Manning, Richard E. Thompson (Ph.D.), 1995 Covers process descriptions design method operating procedures and troubleshooting in great detail This text is the definitive source on its topic and contains numerous diagrams and appendices as well as case histories and review questions with numerical problems **Relief Systems Handbook** Cyril F. Parry, 1992 *Applied Process Design for Chemical and Petrochemical Plants* Ernest E. Ludwig, 1977 Publications, Programs & Services American Petroleum Institute, 2005

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