

Pressure Systems Information Guide

Locating Pressure Systems Information

The following is a list of key shelf numbers for the pressure systems subject area. If you are looking for a particular book please check the library catalogue.

| | | | |
|----------------|----------------|------------------------------|----------------|
| Boilers | 621.184 | Power stations | 621.312 |
| Combustion | 536 | Power transmission | 629.832 |
| Compressors | 621.51 | Pressure relief valves | 621.84 |
| Energy | 621.4 | Pressure vessels | 660.283 |
| Fluid power | 621.26 | Process engineering | 660.2 |
| Fuel cells | 537 | Steam plant | 621.193 |
| Gas dynamics | 533.2 | Steam turbines | 621.165 |
| Nuclear energy | 621.48 | Thermodynamics | 621.101 |
| Pipes & piping | 621.185 | Transportable gas containers | 660.283 |
| Power plant | 621.312 | | |

Useful Books

| | |
|---|-------------------|
| Antaki G A, Fitness-for-service evaluations for piping and pressure vessels : ASME code simplified (2005) | 660.283 ANT |
| Antaki G A, Piping and pipeline engineering : design, construction, maintenance, integrity, and repair (2003) | 621.8672 ANT |
| Banks W M & Nash D H, Pressure equipment technology: theory and practice, conference, Glasgow, 1-2 May 2003 | 660.283 BAN |
| Chattopadhyay A B, Pressure Vessels: Design and Practice (2004) | 660.283 CHA |
| Chuse R & Carson B E, Pressure vessels: the ASME code simplified (1993) | 660.283 CHU |
| Gill S S, The stress analysis of pressure vessels and pressure vessel components (1970) | 660.283 GIL |
| Harvey J & Fryer D M, High pressure vessels (1998) | 660.283 FRY |
| Harvey J, Theory and design of pressure vessels (1989) | 660.283 HAR |
| Matthews C, Engineers' guide to pressure equipment: the pocket reference (2001) | 660.283 MAT |
| Megyesy E F, Pressure vessel handbook 13 th ed. (2004) | 660.283 MEG |
| Ross C T F, Pressure vessels under external pressure: statics and dynamics (1990) | 660.283 ROS |
| Spence J & Tooth A S, Pressure vessel design : concepts and principles (1994) | 660.283 SPE |
| Walters J A, Hoop-wrapped, composite, internally pressurized cylinders (2003) | 660.283 WAL |
| Zeman J L, Pressure vessel design : the direct route (2006) | 660.283 ZEM |
| Oversize | |
| The carriage of dangerous goods and use of transportable pressure equipment regulations (2004) | 665.7021 Pamphlet |
| Earland S et al, Guide to European pressure equipment (2003) | 660.283 EAR |
| EEMUA, Guide to the use of ISO 15649 and ANSI/ASME B31.3 for piping in Europe (2001) | 660.283 ENG |

Mohitpour M et al, Pipeline operation and maintenance : a practical approach (2005) 621.8672 MOH
Rao K R, Companion guide to the ASME boiler and pressure vessel code vols 1-3 660.283 RAO

Useful Standards

API 521 Pressure-relieving and depressuring systems 5th ed (2007) STANDARDS
ASME Boiler and pressure vessel code – all editions (2004) STANDARDS
BS EN 13445-1 : Unfired pressure vessels, Part 1-6 STANDARDS
BS EN ISO 4126-1-6 Safety devices for protection against excessive pressure- STANDARDS
PD 5500 : Unfired fusion welded pressure vessels (2006) STANDARDS

E-books

Available via the Knovel service in the Virtual Library

2004 ASME Boiler and Pressure Vessel Code, Section II - Materials
Walsh P P & Fletcher P, Gas turbine performance 2nd ed (2004)
Centre for Chemical Process Safety, Guidelines for Design Solutions for Process Equipment Failures (1998)
Centre for Chemical Process Safety, Guidelines for Engineering Design for Process Safety
Knovel Steam Tables (2006)
Muhlbauer E K, Pipeline Risk Management Manual - Ideas, Techniques, and Resources 3rd ed (2004)
McAllister E W, Pipeline Rules of Thumb Handbook - A Manual of Quick, Accurate Solutions to everyday Pipeline Engineering Problems 6th ed (2005)
Smith P, Piping Materials Guide - Selection and Applications (2005)
Cheremisinoff N P, Pressure Safety Design Practices for Refinery and Chemical Operations (1998)
Lyons W C & Plisga G J, Standard Handbook of Petroleum & Natural Gas Engineering 2nd ed (2005)

Available via the Books24x7 service in the Virtual Library

Becht C, Process piping: the complete guide to ASME B31.3 2nd ed (2004)
Escoe A K, Piping and pipelines assessment guide (2006)
Mohitpour M et al, Pipeline operation and maintenance: a practical approach (2005)
Rao K R, Companion guide to the ASME Boiler and pressure vessel vols 1 and 2 ASME (2002)

Recent IMechE Pressure Systems conferences and seminars

The following are shelved alphabetically by year in the Conference/Seminar section of the library.

[Boilers and boilerhouses - developments in maintenance, operations and controls](#), London, 6 October 2005
[CEN standards for business benefit](#), London, 20 June 2007
[Developments in pressure equipment - where to next?](#), London, 23-24 November 2004
[Design, maintenance and care of gasketed bolted flanged joints](#), London, 16 March 2006
[Engineering critical assessments come of age](#), London, 12 March 2008
[Improvements in ambient and cryogenic storage tanks](#), London, 14 June 2005
[Maximising the value of modern non-destructive examination \(NDE\)](#), Birmingham, 17-18 October 2007

[Pipework integrity](#), London, 24 November 2005
[Post weld heat treatment and the management of residual stress](#), London, 1 March 2005
[Risk-based inspection](#), Warrington, 12 October 2004
[The management of ageing plant](#), Stirling, 25 April 2007
[The supply, purchase and re-use of used pressure equipment](#), London, 4 December 2006
[Transportable pressure equipment](#), London, 25 May 2004

Useful Journals

Please check the library catalogue to see if the library subscribes to your required journal.

| | |
|--|---------|
| ASME Journal of heat transfer | 1880- |
| ASME Journal of pressure vessel technology | 1880- |
| ASME Journal of engineering for gas turbines and power | 1880- |
| Energy world | 2005- |
| Gas turbine world | 1996- |
| IMechE Proceedings part A Journal of power and energy | 1985- |
| Nuclear engineering international | 1956- |
| Nuclear future | 2005- |
| Oil and gas journal | 5 years |
| Petroleum review | 1987- |
| Power engineer | 2006- |
| RGN: Revue generale nucleaire | 2 years |

A number of journals are available electronically via EBSCOhost which is available in the IMechE Virtual Library. Click here to see a list of [titles](#) or to see [titles by subject](#).

Useful weblinks

ASME Pressure Vessels and Piping Division

Details of ASME pressure vessels publications

<http://divisions.asme.org/pvp/>

National Board of Boiler and Pressure Vessel Inspectors (USA)

This US site gives access to information about the Board, the full-text of its Bulletin and other publications aimed at those working with boilers and pressure vessels. Some full-text technical articles are also available. Guidelines on stamp and mark requirements are provided.

<https://www.nationalboard.org/nationalboard/Default.aspx>

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004

<http://www.hse.gov.uk/cdg/pressure.htm>

Pressure Equipment Directive: overview

Containing essential reference information in order to design, produce, market and put into service Pressure Equipment and Pressure Assemblies in Europe

http://europa.eu.int/comm/enterprise/pressure_equipment/ped/index_en.html

Pressure Vessel Research Council

The site gives information about the council and its activities. In addition, abstracts of all the

Bulletins are provided.

<http://www.forengineers.org/pvrc/index.html>

BERR Pressure Equipment Directive 97/23/EC

<http://www3.dti.gov.uk/sectors/sustainability/regulations/ecdirect/page12629.html>

Process Engineering Directory

<http://www.processdirectory.com/Directory/frame.asp>

Process and Packaging Machinery Association

Includes a worldwide supplier directory

<http://www.ppma.co.uk/>

United Kingdom Accreditation Service

Accreditation body for testing and calibration laboratories, certification and inspection bodies

<http://www.ukas.com/>