

## Process Engineering Information Guide

### Locating Process Engineering Information

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

Bulk solids handling	<b>621.8673</b>	Pipelines	<b>621.8672</b>
Chemical engineering	<b>660.2</b>	Process engineering	<b>660.2</b>
Food engineering	<b>664</b>	Process safety	<b>660.2804</b>
Food processes	<b>664.02</b>	Process plant	<b>660.28</b>
Natural gas	<b>665.792</b>	Waste treatment & disposal	<b>628.445</b>
Petroleum production	<b>622.38</b>	Waste treatment (industrial)	<b>628.54</b>
Petroleum technology	<b>665.5</b>	Wastewater treatment	<b>628.16</b>
Petroleum storage and transportation	<b>665.54</b>		

### Useful Books

Abulnaga BE, Slurry systems handbook	<b>621.8672 ABU</b>
Branan CR, Rules of thumb for chemical engineers	<b>660 BRA (Oversize)</b>
Brecht C, Process piping: the complete guide to ASME B31.3	<b>660.283 BRE (Oversize)</b>
Cooper JR, Chemical process equipment: selection and design	<b>660.283 COU</b>
Koolen JLA, Design of simple and robust chemical process plants	<b>660.284 KOO</b>
Lucas AG, Modern petroleum technology	<b>665.5 LUC</b>
Parkash S, Refining processes handbook	<b>665.53 PAR</b>
Perry RH & Green DW, Perry's chemical engineers handbook	<b>660 PER</b>
Saravacos GD & Kostaropoulos A, Handbook of food processing equipment	<b>664.02 SAR</b>
Tchobanoglous G, Burton F & Stensel HD, Wastewater engineering	<b>628.16 TCH</b>
Tweeddale M, Managing risk and reliability of process plants	<b>660.2804 TWE</b>
Wang LK & Hung YT, Handbook of industrial and hazardous wastes treatment	<b>628.445 WAN</b>
Williams PT, Waste treatment and disposal	<b>628.445 WIL</b>

***Oversize shelved on the bottom two shelves***

### E-books

#### Available via the Knovel service in the Virtual Library

Bennett B & Cole G, Pharmaceutical production – an engineering guide, 2005  
 Boterman, R, Process piping design handbook – advanced piping design volume 2, 2008  
 Francis FJ, Wiley Encyclopedia of food science and technology (2nd edition), 1999  
 Gallagher, J, Natural gas measurement handbook, 2006  
 Jackman PS & Smith LM, Advances in corrosion control and materials in oil and gas production, 1999  
 Khan, M, Petroleum engineering handbook – sustainable operations, 2007  
 Lees FP, Loss prevention in the process industries, 1996

Lewis RJ, Hawley's condensed chemical dictionary, 2002  
 McMillan GK & Considine DM, Process/industrial instruments and controls handbook, 1999  
 Reynolds JP, Jeris JS & Theodore L, Handbook of chemical and environmental engineering calculations, 2002  
 Salvato JA, Nemerow NL & Agardy FJ, Environmental Engineering, 2003  
 Speight, J, Natural gas – a basic handbook, 2007  
 Smith, P, Process piping design handbook – the fundamentals of piping design volume 1. 2007  
 Woodard & Curran Inc, Industrial Waste Treatment Handbook, 2006

### Available via the Books24x7 service in the Virtual Library

Dry gas seals handbook, PennWell Corp, 2005  
 Flow induced vibration of power and process plant  
 Managing operations in offshore locations, 2007  
 Offshore ready: strategies to plan and profit  
 Pipeline design and construction: a practical approach, 2005  
 Pipeline operation and maintenance: a practical approach, 2005  
 Process piping: The complete guide to ASME B31

### Recent IMechE process engineering conferences and seminars

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

[Application of electrical and mechanical systems in the offshore industry](#), IMechE seminar 2008  
[Collaborative strategies – partnering and alliancing for success](#), IMechE seminar 2006  
[Risk, reliability and life-extension of ageing offshore structures](#), IMechE seminar 2009  
[Efficient minerals handling and processing](#), IMechE seminar 2007  
[Emissions reduction in the oil, gas and chemical industries](#), IMechE seminar 2006  
[Existing plant, meeting the ATEX deadline](#), IMechE seminar 2006  
[Managing carbon credits and emissions](#), IMechE seminar 2007  
[Packing, bagging and powder dispensing of granules and powders](#), IMechE seminar 2007

### Useful Journals

Please check the library catalogue to see if the library subscribes to your required journal. Current issues of key journals are held on the journal display rack. The back copies of these journals are stored in the basement. Please ask a member of staff if you wish to view any.

Aufbereitungs technik	1 year	Process engineering	1972-
Health and safety at work	1 year	The ROSPA occupational safety and health	
Oil and gas journal	5 years	journal	years
Petroleum review	1987-	Sulzer technical review	1920-
Plant and works engineering	2004-	TCE: the chemical engineer	1986-
Proceedings of the Institution of Mechanical		Transactions of the ASME: journal of	
Engineers part E: journal of process		pressure vessel technology	1880-
mechanical engineering	1989-	Works management	5 years
Proceedings of the Institute of Refrigeration			
	1943-		

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 websites

American Petroleum Institute	<a href="http://api-ec.api.org">http://api-ec.api.org</a>
Energy Institute	<a href="http://www.energyinst.org.uk">www.energyinst.org.uk</a>
Hazardous Waste Clean-Up Information	<a href="http://www.clu-in.org">www.clu-in.org</a>
IMechE Process Industries Division	<a href="http://www.imeche.org.uk/process">www.imeche.org.uk/process</a>
Institution of Chemical Engineers	<a href="http://www.icheme.org">www.icheme.org</a>
Offshore Engineering Information Service	<a href="http://www.techxtra.ac.uk/offshore">www.techxtra.ac.uk/offshore</a>
Processing and Packaging Machinery Association	<a href="http://www.ppma.co.uk">www.ppma.co.uk</a>
Radwaste: guide to radioactive waste resources	<a href="http://www.radwaste.org">www.radwaste.org</a>
Society of Chemical Industry	<a href="http://www.soci.org">www.soci.org</a>
Society of Petroleum Engineers	<a href="http://www.spe.org">www.spe.org</a>
Solids Handling and Processing Association	<a href="http://www.shapa.co.uk">www.shapa.co.uk</a>