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CODES & STANDARDS

2010 Edition of the ASME Boiler and Pressure Vessel Code (BPVC)

Sections III, XI – Nuclear

Section III – Rules of the Construction of Nuclear Facility Components

This Section provides requirements for the materials, design, fabrication, examination, testing, inspection, installation, certification, stamping, and overpressure protection of nuclear facility components, and component and piping supports. Components include metal vessels and systems, pumps, valves, and core support structures. The components and supports covered by this Section are intended to be installed in a nuclear power system which serves the purpose of producing and controlling the output of thermal energy from nuclear fuel and those associated systems essential to the functions and overall safety of the nuclear power system.

This Section also provides requirements for (1) containment systems and transport packagings for spent nuclear fuel and high-level radioactive waste and, (2) concrete reactor vessels and containments. It provides requirements for new construction and includes consideration of mechanical and thermal stresses due to cyclic operation. Deterioration which may occur in service as a result of radiation effects, corrosion, erosion, or instability of the material is not covered. Rules pertaining to the use of N, NPT, NA and NV Code symbol stamps are also included.

Section XI – Rules for Inservice Inspection of Nuclear Power Plant Components

This Section contains Divisions 1 and 3, in one volume and provides rules for the examination, inservice testing and inspection, and repair and replacement of components and systems in light-water cooled and liquid-metal cooled nuclear power plants. The Division 2 rules for inspection and testing of components of gas-cooled nuclear power plants have been deleted in the 1995 Edition. With the decommissioning of the only gas-cooled reactor to which these rules apply, there is no apparent need to continue publication of Division 2. Application of this Section of the Code begins when the requirements of the Construction Code have been satisfied. The rules of this Section constitute requirements to maintain the nuclear power plant while in operation and to return the plant to service, following plant outages, and repair or replacement activities. The rules require a mandatory program of scheduled examinations, testing, and inspections to evidence adequate safety. The method of non destructive examination to be used and flaw size characterization is also contained within this Section.

NUCLEAR BPVC SECTIONS — ORDER NOS.

BPVC-III NCA-2010 Section III Subsection NCA-General Requirements for Division 1 and Division 2: Order No.: X0003R; ISBN: 978-0-7918-3236-3; Product Type(s): Print-Book; List Price: \$515.

BPVC-III NB-2010 Section III Division 1 Subsection NB Class 1 Components: Order No.: X0003B; ISBN: 978-0-7918-3237-0; Product Type(s): Print-Book; List Price: \$515.

BPVC-III NC-2010 Section III Division 1 Subsection NC Class 2 Components: Order No.: X0003C; ISBN: 978-0-7918-3238-7; Product Type(s): Print-Book; List Price: \$515.

BPVC-III ND-2010 Section III Division 1 Subsection ND Class 3 Components: Order No.: X0003D; ISBN: 978-0-7918-3239-4; Product Type(s): Print-Book; List Price: \$515.

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BPVC-III NF-2010 Section III Division 1 Subsection NF Supports: Order No.: X0003F; ISBN: 978-0-7918-3241-7; Product Type(s): Print-Book; List Price: \$475.

BPVC-III NG-2010 Section III Division 1 Subsection NG Core Support Structures: Order No.: X0003G; ISBN: 978-0-7918-3242-4; Product Type(s): Print-Book; List Price: \$450.

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BPVC-III APP-2010 Section III Division 1 Appendices: Order No.: X0003A; ISBN: 978-0-7918-3244-8; Product Type(s): Print-Book; List Price: \$560.

BPVC-III-2-2010 Section III Division 2 Code for Concrete Reactor Vessels and Containments: Order No.: X00032; ISBN: 978-0-7918-3245-5; Product Type(s): Print-Book; List Price: \$540.

BPVC-III-3-2010 Section III Division 3 Containment Systems and Transport Packaging for Spent Nuclear Fuel and High Level Radioactive Waste: Order No.: X00033; ISBN: 978-0-7918-3246-2; Product Type(s): Print-Book; List Price: \$540.

BPVC-XI-2010 Section XI Rules for Inservice Inspection of Nuclear Power Plant Components: Order No.: X00011; ISBN: 978-0-7918-3256-1; Product Type(s): Print-Book; List Price: \$680.

BPVC-CC-N-2010 Code Cases: Nuclear Components: Order No.: X0012N; ISBN: 978-0-7918-3259-2; Product Type(s): Print-Book; List Price: \$675.

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REFERENCED BPVC SECTIONS

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BPVC-IIB-2010 Section II Part B-Nonferrous Material Specifications: Order No.: X0002B; ISBN: 978-0-7918-3232-5; **Product Type(s):** Print-Book; **List Price:** \$670.

BPVC-IIC-2010 Section II Part C-Specifications for Welding Rods, Electrodes and Filler Metals: Order No.: X0002C; ISBN: 978-0-7918-3233-2; **Product Type(s):** Print-Book; **List Price:** \$670.

BPVC-IID-2010 Section II Part D-Properties (Customary): Order No.: X0002D; ISBN: 978-0-7918-3234-9; **Product Type(s):** Print-Book; **List Price:** \$670.

BPVC-IID-2010 Section II Part D-Properties (Metric): Order No.: X002DM; ISBN: 978-0-7918-3235-6; **Product Type(s):** Print-Book; **List Price:** \$670.

BPVC-V-2010 Section V Nondestructive Examination: Order No.: X00050; ISBN: 978-0-7918-3248-6; **Product Type(s):** Print-Book; **List Price:** \$490.

BPVC-IX-2010 Section IX Welding and Brazing Qualifications: Order No.: X00090; ISBN: 978-0-7918-3254-7; **Product Type(s):** Print-Book; **List Price:** \$505.

REFERENCED STANDARDS

B1.1-2003 Unified Inch Screw Threads, (UN and UNR Thread Form): Order No.: M02803; ISBN: 0791828336; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$135.

B1.20.1-1983 Pipe Threads, General Purpose, Inch: Order No.: N00103; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$40.

B1.20.3-1976 Dryseal Pipe Threads, Inch: Order No.: N00076; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$35.

B16.11-2009 Forged Fittings, Socket-Welding and Threaded: Order No.: M01609; ISBN: 9780791832172; **Product Type(s):** Print-Book; **List Price:** \$65.

B16.18-2001 Cast Copper Alloy Solder Joint Pressure Fittings: Order No.: J07101; ISBN: 0791827291; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$54.

B16.20-2007 Metallic Gaskets for Pipe Flanges: Ring-Joint, Spiral-Wound, and Jacketed: Order No.: L03007; ISBN: 079182635X; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$79.

B16.21-2005 Nonmetallic Flat Gaskets for Pipe Flanges: Order No.: L01505; ISBN: 079182960X; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$45.

B16.22-2001 Wrought Copper and Copper Alloy Solder Joint Pressure Fittings: Order No.: M03001; ISBN: 0791827305; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$40.

B16.25-2007 Buttwelding Ends: Order No.: J01307; ISBN: 0791831116; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$65.

B16.34-2009 Valves Flanged, Threaded and Welding End: Order No.: J01809; ISBN: 9780791832233; **Product Type(s):** Print-Book / Digital (PDF); **List Price:** \$155.

REFERENCED STANDARDS (cont'd)

B16.47-2006 Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard: Order No.: J12906; ISBN: 079183087X; Product Type(s): Print-Book / Digital (PDF); List Price: \$99.

B16.5-2009 Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard: Order No.: M01509; ISBN: 9780791831991; Product Type(s): Print-Book / Digital (PDF); List Price: \$195.

B16.9-2007 Factory-Made Wrought Butt Welding Fittings: Order No.: J10907; ISBN: 0791831019; Product Type(s): Print-Book / Digital (PDF); List Price: \$100.

B18.2.2-1987 Square and Hex Nuts: Order No.: M00043; Product Type(s): Print-Book / Digital (PDF); List Price: \$35.

B18.3-2003 Socket Cap, Shoulder, and Set Screws, Hex and Spline Keys (Inch Series): Order No.: M00703; ISBN: 0791828557; Product Type(s): Print-Book / Digital (PDF); List Price: \$60.

B36.10M-2004 Welded and Seamless Wrought Steel Pipe: Order No.: M03104; ISBN: 0791829162; Product Type(s): Print-Book / Digital (PDF); List Price: \$57.

B36.19M-2004 Stainless Steel Pipe: Order No.: M01304; ISBN: 0791829170; Product Type(s): Print-Book / Digital (PDF); List Price: \$35.

NQA-1-2008 Quality Assurance Program Requirements for Nuclear Facilities: Order No.: A105E8; ISBN: 0791831272; Product Type(s): Print-Book; List Price: \$220.

PTC 25-2001 Pressure Relief Devices: Order No.: C06101; ISBN: 0791827100; Product Type(s): Print-Book / Digital (PDF); List Price: \$75.

QAI-1-2005 Qualifications for Authorized Inspection: Order No.: J95050; ISBN: 0791829693; Product Type(s): Print-Book / Digital (PDF); List Price: \$55.

RELATED STANDARDS & GUIDELINES

AG-1-2009 Code on Nuclear Air and Gas Treatment: Order No.: A12209; ISBN: 9780791831809; Product Type(s): Print-Book; List Price: \$320.

QME-1-2007 Qualification of Active Mechanical Equipment Used in Nuclear Power Plants: Order No.: A13607; ISBN: 0791831086; Product Type(s): Print-Book / Digital (PDF); List Price: \$85.

QME-1-2002 Qualification of Active Mechanical Equipment Used in Nuclear Power Plants: Order No.: A13602; ISBN: 0791827917; Product Type(s): Print-Book / Digital (PDF); List Price: \$59.

OM-2004 Code for Operation and Maintenance of Nuclear Power Plants: Order No.: A12804; ISBN: 0791829375; Product Type(s): Print-Book; List Price: \$245.

OM-S/G-2007 Standards and Guides for Operation and Maintenance of Nuclear Power Plants: Order No.: A13107; ISBN: 0791830292; Product Type(s): Print-Book; List Price: \$285.

V&V-10-2006 Guide for Verification and Validation in Computational Solid Mechanics: Order No.: C06906; ISBN: 079183042X; Product Type(s): Print-Book / Digital (PDF); List Price: \$45.

V&V-20-2009 Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer: Order No.: C07309; ISBN: 9780791832097; Product Type(s): Print-Book; List Price: \$49.

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PRODUCT CERTIFICATION PACKAGES (a.k.a. CODE SYMBOL STAMP PACKAGES)

Code Symbol Stamps N, NA, NPT, NS N-Type Certificates of Authorization and Certificates of Accreditation: Order No.: BPNPT; Product Type(s): Print-Books; List Price: \$2,745.

Code Symbol Stamp NV Nuclear Safety and Pressure Relief Valves (with Section II Part A): Order No.: BPNVA; Product Type(s): Print-Books; List Price: \$2,820.

Code Symbol Stamp NV Nuclear Safety and Pressure Relief Valves (with Section II Part B): Order No.: BPNVB; Product Type(s): Print-Books; List Price: \$2,820.

Code Symbol Stamp NV Nuclear Safety and Pressure Relief Valves (with Section II Part D): Order No.: BPNVD; Product Type(s): Print-Books; List Price: \$2,820.

Code Symbol Stamp N3 N-Type Certificates of Authorization and Certificates of Accreditation: Order No.: PVCN3; Product Type(s): Print-Books; List Price: \$2,255.

QSC-Quality System Certificates for Nuclear Material Organizations: Order No.: BPVMS; Product Type(s): Print-Books; List Price: Varies.

TRAINING COURSES

Section III, Division 1: Rules for Construction of Nuclear Facility Components: Order No.: PD184; Product Type(s): Live Class; List Price: \$2,125 - \$2,325.

Section XI: In-service Inspection of Nuclear Power Plant Components: Order No.: PD192; Product Type(s): Live Class; List Price: \$2,125 - \$2,325.

Quality Assurance (QA) Considerations for New Nuclear Facility Construction: Order No.: PD523; Product Type(s): Live Class; List Price: \$1,395 - \$1,595.

Pressure Relief Devices: Design, Sizing, Construction, Inspection & Maintenance: Order No.: PD583; Product Type(s): Live Class; List Price: \$1,055 - \$1,255.

Section III, Division 1: Class 1 Piping Design: Order No.: PD599; Product Type(s): Live Class; List Price: \$1,055 - \$1,255.

Section III, Division 1: Class 2&3 Piping Design: Order No.: PD600; Product Type(s): Live Class; List Price: \$525 - \$725.

NQA-1 Requirements for Computer Software used in Nuclear Facilities: Order No.: PD606; Product Type(s): Live Class; List Price: \$525 - \$725.

Section III, Division 1: Class 1, 2 & 3 Piping Design Combo Course: Order No.: PD615; Product Type(s): Live Class; List Price: \$1,395 - \$1,595.

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ASME Section III, Div 1, Class 2/3 Piping Design: Order No.: ZI301; Product Type(s): Online Instructor Led; List Price: \$395 - \$495.

ASME Section III, Div 1, Class 1 Piping Design: Order No.: ZI303; Product Type(s): Online Instructor Led; List Price: \$595 - \$695.

ASME STANDARDS TECHNOLOGY, LLC

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STP-NU-010 Regulatory Safety Issues in Structural Design Criteria of Sec III NH for VHTR & GEN IV Reactors: Order No.: A17307; ISBN: 0761831434; Product Type(s): Print-Book / Digital (PDF); List Price: \$29.95.

STP-NU-013 Improvement of ASME Section III-NH for Grade 91 Negligible Creep and Creep-Fatigue: Order No.: A17708; ISBN: 9780791831656; Product Type(s): Print-Book; List Price: \$49.95.

STP-NU-018-2009 Creep-Fatigue Data and Existing Evaluation Procedures for Grade 91 Steel and Hastelloy XR: Order No.: A18408; ISBN: 9780791831847; Product Type(s): Print-Book; List Price: \$59.95.

STP-NU-019-1 Verification of Allowable Stresses in ASME Section III, Subsection NH for Grade 91 Steel: Order No.: A18509; ISBN: 9780791832219; Product Type(s): Print-Book / Digital (PDF); List Price: \$59.95.

STP-NU-020 Verification of Allowable Stresses in ASME Section III, Subsection NH for Alloy 800H: Order No.: A18608; ISBN: 9780791831861; Product Type(s): Print-Book / Digital (PDF); List Price: \$59.95.

ASME PRESS BOOKS

Heat Transfer and Hydraulic Resistance at Supercritical Pressures in Power Engineering Applications, by Igor Pioro and Romney Duffey: Order No.: 802523; ISBN: 0791802523; Product Type(s): Print-Book; List Price: \$120 - \$150.

Design and Analysis of ASME Boiler and Pressure Vessel Components in the Creep Range, by Maan H. Jawad and Robert I. Jetter: Order No.: 802847; ISBN: 9780791802847; Product Type(s): Print-Book / Digital (PDF); List Price: \$72 - \$90.

Core Issues: Dissecting Nuclear Power Today, by Steve Kidd: Order No.: 802COR; ISBN: 1903077567; Product Type(s): Print-Book; List Price: \$50.

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Applying the ASME Codes: Plant Piping & Pressure Vessels (Mister Mech Mentor, Vol. II), by James A. Wingate: Order No.: 802558; ISBN: 0791802558; Product Type(s): Print-Book; List Price: \$59 - \$75.

Companion Guide to the ASME Boiler & Pressure Vessel Code, Third Edition-Volume 1, Edited by K.R. Rao: Order No.: 802694; ISBN: 9780791802694; Product Type(s): Print-Book; List Price: \$236 - \$295.

Companion Guide to the ASME Boiler & Pressure Vessel Code, Third Edition-Volume 2, Edited by K.R. Rao: Order No.: 802700; ISBN: 9780791802700; Product Type(s): Print-Book; List Price: \$236 - \$295.

Companion Guide to the ASME Boiler & Pressure Vessel Code, Third Edition-Volume 3, Edited by K.R. Rao: Order No.: 802717; ISBN: 9780791802717; Product Type(s): Print-Book; List Price: \$236 - \$295.

Companion Guide to the ASME Boiler & Pressure Vessel Code, Third Edition, Volumes 1, 2 & 3, Edited by K.R. Rao: Order No.: 802687; ISBN: 9780791802687; Product Type(s): Print-Book; List Price: \$528 - \$660.

The Code: An Authorized History of the ASME Boiler and Pressure Vessel Code, by W. Cross: Order No.: 820246; ISBN: 0791820246; Product Type(s): Print-Book; List Price: \$35.

JOURNALS

Journal of Pressure Vessel Technology: Order No.: PVT; Product Type(s): Print / Online Product; List Price: \$60 - \$485.

Journal of Pressure Vessel Technology: Order No.: PVTO; Product Type(s): Online Product; List Price: \$51.

Journal of Engineering for Gas Turbines and Power: Order No.: GTP; Product Type(s): Print / Online Product; List Price: \$80 - \$612

Journal of Engineering for Gas Turbines and Power: Order No.: GTPO; Product Type(s): Online Product; List Price: \$68.

Journal of Turbomachinery: Order No.: TURBO; Product Type(s): Print / Online Product; List Price: \$50 - \$372.

Journal of Turbomachinery: Order No.: TURBOO; Product Type(s): Online Product; List Price: \$43.

CONFERENCES

ASME 2010 Pressure Vessel and Piping Conference (PVP2010):
Visit: www.asmeconferences.org/PVP10.

ICONE 18 - International Conference on Nuclear Engineering:
Visit: www.asmeconferences.org/ICONE18.

ASME Turbo Expo 2010: Power for Land, Sea and Air (TE10):
Visit: www.asmeconferences.org/TE10.

CONFERENCE PROCEEDINGS

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 1: Codes and Standards: Order No.: H01410; ISBN: 9780791848241; Product Type(s): Print-Book; List Price: \$130 - \$260.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 2: Computer Applications/Technology and Bolted Joints: Order No.: H01411; ISBN: 9780791848258; Product Type(s): Print-Book; List Price: \$75 - \$150.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 3: Design and Analysis: Order No.: H01412; ISBN: 9780791848265; Product Type(s): Print-Book; List Price: \$120 - \$240.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 4: Fluid Structure Interaction: Order No.: H01413; ISBN: 9780791848272; Product Type(s): Print-Book; List Price: \$85 - \$170.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 5: High-Pressure Technology; ASME Nondestructive Evaluation Division; and Student Paper Competition: Order No.: H01414; ISBN: 9780791848289; Product Type(s): Print-Book; List Price: \$70 - \$140.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 6: Materials and Fabrication: Order No.: HX1415; ISBN: 9780791848296; Product Type(s): Print-Book; List Price: \$175 - \$350.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 7: Operations, Applications, and Components: Order No.: H01416; ISBN: 9780791848302; Product Type(s): Print-Book; List Price: \$100 - \$200.

2008 Print Proceedings of the ASME Pressure Vessels and Piping Conference-Volume 8: Seismic Engineering: Order No.: H01417; ISBN: 9780791848319; Product Type(s): Print-Book; List Price: \$70 - \$140.

2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 1: Codes and Standards: Order No.: G01314; ISBN: 0791842797; Product Type(s): Print-Book; List Price: \$70 - \$140.

2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 2: Computer Applications/Technology and Bolted Joints: Order No.: G01315; ISBN: 0791842800; Product Type(s): Print-Book; List Price: \$45 - \$90.

2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 3: Design and Analysis: Order No.: G01316; ISBN: 0791842819; Product Type(s): Print-Book; List Price: \$70 - \$140.

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2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 5: High-Pressure Technology; ASME Nondestructive Evaluation Division; and Student Paper Competition: Order No.: G01318; ISBN: 0791842835; Product Type(s): Print-Book; List Price: \$45 - \$90.

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2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 6: Materials and Fabrication; Order No.: G01319; ISBN: 0791842843; Product Type(s): Print-Book; List Price: \$125 - \$250.

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2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 8: Seismic Engineering; Order No.: G01321; ISBN: 079184286X; Product Type(s): Print-Book; List Price: \$50 - \$100.

2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Volume 9: Eighth International Conference on CREEP and Fatigue at Elevated Temperatures; Order No.: G01322; ISBN: 0791842878; Product Type(s): Print-Book; List Price: \$90 - \$180.

2007 Print Proceedings of the ASME Pressure Vessels and Piping Conference/CREEP8 Conference-Nine-Volume Set; Order No.: GX1314; ISBN: ; Product Type(s): Print-Book; List Price: \$825 - \$1,650.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 1; Order No.: G01354; ISBN: 9780791843116; Product Type(s): Print-Book; List Price: \$130 - \$260.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 2; Order No.: G01355; ISBN: 9780791843123; Product Type(s): Print-Book; List Price: \$145 - \$290.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 3, Parts A & B; Order No.: GX1356; ISBN: 9780791843130; Product Type(s): Print-Book; List Price: \$150 - \$300.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 4, Parts A & B; Order No.: GX1357; ISBN: 9780791843147; Product Type(s): Print-Book; List Price: \$180 - \$360.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 5, Parts A & B; Order No.: GX1358; ISBN: 9780791843154; Product Type(s): Print-Book; List Price: \$170 - \$340.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 6, Parts A-C; Order No.: GX1359; ISBN: 9780791843161; Product Type(s): Print-Book; List Price: \$225 - \$450.

2008 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 7; Order No.: G01360; ISBN: 9780791843178; Product Type(s): Print-Book; List Price: \$110 - \$220.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 1; Order No.: H01376; ISBN: 079184790X; Product Type(s): Print-Book; List Price: \$125 - \$250.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 2; Order No.: H01377; ISBN: 0791847918; Product Type(s): Print-Book; List Price: \$140 - \$280.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 3; Order No.: H01378; ISBN: 0791847926; Product Type(s): Print-Book; List Price: \$135 - \$270.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 4, Parts A & B; Order No.: HX1379; ISBN: 0791847934; Product Type(s): Print-Book; List Price: \$190 - \$380.

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2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 5: Order No.: H01380; ISBN: 0791847942; Product Type(s): Print-Book; List Price: \$150 - \$300.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Volume 6, Parts A & B: Order No.: HX1381; ISBN: 0791847950; Product Type(s): Print-Book; List Price: \$230 - \$460.

2007 Print Proceedings of the ASME Turbo Expo: Power for Land, Sea, and Air: Six-Volume Set: Order No.: H1876S; Product Type(s): Print-Book; List Price: \$825 - \$1,650.