

ASME BVP Code Section I – Power Boilers

Date: Thu. – Fri., 23 – 24 June 2022 – Online

Steam and pressure components in line with ASME Code Section I as a door opener for the export of power boiler equipment. In this seminar manufacturers and operators receive a detailed overview of the general requirements, design, manufacture, testing and assembly of steam boilers and installed piping. Other important aspects are material selection, inspection, final inspection and data reports as well as the correct selection of safety valves. The Seminar language is English.

Duration: 2 days

Overview of the topics:

- Structure of ASME Code Section I and the referenced ASME B31.1 Standard
- Scope of application of both ASME Code Section I and B31.1
 - Boiler Proper, Boiler External Piping (BEP), Nonboiler External Piping (NBEP)
- Responsibilities and duties (Operators, Manufacturers, Authorized Inspectors)
- Material selection and allowable stresses
- Design
 - Drum-Type Boilers, Forced-Flow Steam Generators
 - Responsibility for design and calculation
 - Design formulas for Boiler Proper, BEP, NBEP
 - MAWP, Design pressure, Design temperature
 - Design requirements for different piping systems such as Feedwater piping, Steam piping etc.
 - Requirements for miscellaneous pipe, valves and fittings
 - Selection criteria of safety valves
- Manufacturing
 - Qualification of welding procedures and personnel
 - Misalignment, weld reinforcement, postweld heat treatment
- Examination and inspection
 - Scope of non-destructive examination and qualification of NDE personnel
 - Dimensional inspection e.g. out-of-roundness
- Final inspection
 - Pressure test
 - Data reports and stamping

Seminarleiter: Dr.-Ing. Daniel Hüggenberg (AIS, ANI),
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Dr. Daniel Hüggenberg's professional background is closely related to material science. He is experienced in various subjects such as high temperature material applications, fatigue as well as creep behaviour and in providing specific solutions for state-of-the-art power plants. Daniel is the author of several publications in his field and has shared his experience at many conferences and contributed to the development of Codes and Standards. Since joining CIS GmbH he has additionally qualified as an ASME Authorized Inspector Supervisor and now passes on his know-how through his inspection and consulting activities. In his customer-oriented seminars Daniel addresses user-related issues faced by the plant engineering industry when it comes to meeting ASME Code requirements.

For further information, please contact the course instructor or our seminar team:
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ASME Code Weeks – Online

Summer 2022



company	<p style="text-align: center;">For online registration go to: www.cis-inspector.com/asme-code-weeks</p> <p>For postal or e-mail registration please contact the registration center in Germany below:</p> <p>CIS GmbH, Laubenhof. 6, 45326 Essen, Germany Fax: +49 201 74 72 75-29 E-Mail: service@cis-inspector.com</p>
contact	
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Title	Surname	First Name	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15

Sem.	Date	Title	Price
P1	20.06.2022	The ASME BPV Code: An Introduction	450,- €
P2	21.06.2022	ASME BPV Code, Section VIII, Division 1: Pressure Vessels	450,- €
P3	22.06.2022	Material Requirements of the ASME BPV Code	450,- €
P4	22.06.2022	ASME B16.34: Valves	450,- €
P5	23. – 24.06.2022	ASME BPV Code, Section I: Power Boilers	890,- €
P6	23. - 24.06.2022	ASME BPV Code, Section V: NDE Procedures and Personnel	890,- €
P7	27. - 28.06.2022	EN 13445: The European Standard for Pressure Vessels	890,- €
P8	29.06.2022	EN 13480: The European Piping Code	450,- €
P9	30.06.2022	ASME B31.3 and B31.1: Process & Power Piping	450,- €
P10	01.07.2022	ASME BVP Code Section IX – Welding	450,- €
P11	04 - 05.07.2022	ASME BVP Code, Section VIII, Division 1 - Workshop Design Calculation	890,- €
P12	06.07.2022	ASME BVP Code, Section VIII, Division 2 - Alternative Rules	450,- €
P13	08.07.2022	ASME BVP Code and PED Requirements	450,- €
P14	11. - 12.07.2022	ASME BVP Code, Section III – Nuclear Codes	970,- €
P15	13. - 14.07.2022	ASME NQA-1 - Nuclear Quality Assurance	970,- €

All prices plus VAT