

Asme B31 3

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fully updated for the 2004 edition of the asme b31 3 code this second edition provides background information historical perspective and expert commentary on the asme b31 3 code requirements for process piping design and construction it provides the most complete coverage of the code that is available today and is packed with additional information useful to those responsible for the design and mechanical integrity of process piping the author is a long serving member and present chairman of the asme b31 3 process piping code committee the 2004 edition of asme b31 3 contains

significant technical changes such as addition of weld joint strength reduction factors in the creep regime alternative flexibility analysis rules alternative rules for occasional loads at elevated temperatures changes to the factors for higher and lower cycles among others the book describes these new rules and the thinking behind them dr becht explains the principal intentions of the code covering the content of each of the code's chapters book inserts cover special topics such as calculation of refractory lined pipe wall temperature spring design design for vibration welding processes bonding processes and expansion joint pressure thrust appendices in the book include useful information for pressure design and flexibility analysis as well as guidelines for computer flexibility analysis and design of piping systems with expansion joints

this guidebook offers insight into the technologies associated with asme code design fabrication materials testing and examination of process piping this book explains specific codes and interpretations and is designed to help in design or installation of process piping

addresses the issue of safe design of mechanical structures systems and components belonging to hazardous facilities in order to withstand the effects of extreme loads this volume provides information on government regulations and industry standards it also addresses the structures distribution systems and components

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