



# BASIC LAWS

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This part of the book is concerned with Basic Laws. It contains five chapters and each serves a unique purpose in an attempt to treat several important aspects of fluid flow. This part provides an overview of the Basic Laws that will be employed in the fluid flow chapters of this book, and the motivation for their inclusion in this text. Topics covered include:

1. Chapter 7: Conservation Law for Mass
2. Chapter 8: Conservation Law for Energy
3. Chapter 9: Conservation Law for Momentum
4. Chapter 10: Law of Hydrostatics
5. Chapter 11: Ideal Gas Law

Finally, the reader should realize that this part and the contents of much of this book are geared towards engineering and science students and practitioners, not chemical engineering per se. Simply put, topics of interest to all practicing engineers have been included.