- Preface p. iii
- Part I Fabrication
- 1. Introduction p. 1
- 2. Organization p. 7
- 3. Manufacture of Components p. 29
- 4. Manufacture of Vessel p. 67
- 5. Nondestructive Testing p. 141
- 6. Pad Air and Preliminary Hydrostatic Testing p. 147
- 7. Postweld Heat Treatment p. 153
- 8. Hydrostatic Testing p. 159
- 9. Post-Hydrostatic Test Cleaning p. 169
- 10. Documentation p. 173
- Part II Procedures
- 11. Radiographic Testing Procedure for Pressure Vessels p. 187
- 12. Ultrasonic Testing for Pressure Vessels p. 209
- 13. Magnetic Particle Testing for Pressure Vessels p. 237
- 14. Liquid Penetrant Testing for Pressure Vessels p. 249
- 15. Furnace Postweld Heat Treatment for Pressure Vessels p. 257
- 16. Hydrostatic Testing of Pressure Vessels p. 265
- 17. Quality Assurance and Control in Welding p. 271
- 18. Quality Plan p. 291
- 19. Inspection and Test Plan p. 297
- 20. Standard Tolerances for Pressure Vessels p. 301
- 21. ASME Exhibits p. 305
- Index p. 343