

# Contents and Order Form

# AD 2000 Code

## Technical Rules for Pressure Vessels

October 2006

Company \_\_\_\_\_

Order-Dept./reference/-no. \_\_\_\_\_

Address \_\_\_\_\_

Date/Signature/Stamp \_\_\_\_\_



**Carl Heymanns Verlag**  
Ein Unternehmen von Wolters Kluwer Deutschland

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### We order

Quantity	AD 2000-MB	Edition	Title	Price/€
_____			AD-2000 Code completely with ring binder	1.280,—
<input type="checkbox"/> Subsequent delivery of new or amendments to the actually valid price is desired without extra order.				
_____	<b>PED</b>	2.98	Pressure Equipment Directive (97/23/EG)	16,50
<b>Equipment, installation and marking</b>				
_____	<b>A 1</b>	10.06	Safety devices against excess pressure; Bursting safety devices	16,50
_____	<b>A 2</b>	10.06	Safety devices against excess pressure; Safety valves	29,00
_____	<b>A 4</b>	10.04	Accessory housings	11,50
_____	<b>A 401</b>	5.02	Pressure vessel equipment – Marking	4,50
_____	<b>A 403</b>	6.01	Pressure vessel equipment; Equipment for detecting and limiting pressure and temperature	9,00
_____	<b>A 404</b>	6.01	Pressure vessel equipment; Accessories	7,00
_____	<b>A 5</b>	10.00	Openings, closures and closure elements	9,00
_____	<b>A 5 App. 1</b>	10.00	Directives for the arrangement of manholes and inspection ports	7,00
_____	<b>A 5 App. 2</b>	10.00	Guidelines for component testing of clamp-bolts	4,50
_____	<b>A 6</b>	1.03	Safety devices against excess pressure; MCR-safety devices	4,50
<b>Design</b>				
_____	<b>B 0</b>	7.03	Design of pressure vessels	9,00
_____	<b>B 1</b>	10.00	Cylindrical and spherical shells subjected to internal overpressure	4,50
_____	<b>B 1 App. 1</b>	5.06	Design of tube bends	18,50
_____	<b>B 2</b>	10.00	Conical shells subjected to internal and external overpressure	33,00
_____	<b>B 3</b>	10.00	Domed ends subject to internal or external pressure	18,50
_____	<b>B 4</b>	10.00	Dished heads	18,50
_____	<b>B 5</b>	5.04	Unstayed and stayed flat ends and plates	44,00
_____	<b>B 5/1</b>	5.06	Design of plain rectangular tubes and sectional headers	7,00
_____	<b>B 6</b>	10.06	Cylindrical shells subjected to external overpressure	21,50
_____	<b>B 7</b>	7.06	Boltings	13,50
_____	<b>B 8</b>	7.03	Flanges	18,50
_____	<b>B 9</b>	10.00	Openings in cylindrical, conical and spherical shells	30,00
_____	<b>B 10</b>	10.00	Thick walled cylindrical shells subject to internal pressure	4,50
_____	<b>B 13</b>	10.00	Single-ply bellows expansion joints	62,00
<b>Fundamentals</b>				
_____	<b>G 1</b>	2.04	AD 2000-Regulations; Structure, Application and Method Guidelines	7,00
_____	<b>G 2</b>	7.06	List of all Standards, quoted in the AD 2000 body of regulations	76,00
<b>Manufacture and testing</b>				
_____	<b>HP 0</b>	10.00	General principles of design, manufacture and associated tests	39,00
_____	<b>HP 1</b>	10.00	Design and construction	16,50
_____	<b>HP 2/1</b>	5.04	Procedure qualification testing for joining processes; Procedure qualification testing for welded joints	11,50
_____	<b>HP 3</b>	10.04	Welding Supervisors, welders	4,50
_____	<b>HP 4</b>	4.02	Test Supervisors and testers in non-destructive testing	4,50
_____	<b>HP 5/1</b>	1.03	Manufacture and testing of joints; Principles of welding practice	4,50
_____	<b>HP 5/2</b>	5.02	Manufacture and testing of joints; Production testing of welds, Testing of base metal after postweld heat treatment	23,00
_____	<b>HP 5/3</b>	1.02	Manufacture and testing of joints; Non-destructive testing of welded joints	25,00
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_____	<b>HP 7/3</b>	9.01	Heat treatment; Austenitic steels	7,00
_____	<b>HP 7/4</b>	10.00	Heat treatment; Aluminium and aluminium alloys	4,50
_____	<b>HP 8/1</b>	9.01	Testing of pressings made from steel, aluminium and aluminium alloys	23,00

Quantity	AD 2000-MB	Edition	Title	Price/€
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_____	<b>HP 120R</b>	6.01	Construction regulations; Thermoplastic piping	13,50
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_____	<b>HP 512</b>	1.03	Final testing and pressure testing	11,50
_____	<b>HP 512R</b>	1.03	Construction regulations; Design examination, final testing and pressure testing of piping	9,00
<b>Special pressure vessels</b>				
_____	<b>HP 801 No. 4</b>	4.02	Pressure vessels with gas cushions in hydraulic pressure plants	3,20
_____	<b>HP 801 No. 8</b>	4.02	Pressure vessels on assembly and building sites	3,20
_____	<b>HP 801 No. 10</b>	4.02	Spray pressure vessels	3,20
_____	<b>HP 801 No. 11</b>	4.02	Open vessels heated by steam jackets for cooking preserves, confectionery and meat products	3,20
_____	<b>HP 801 No. 13</b>	4.02	Storage Containers for beverages	3,20
_____	<b>HP 801 No. 14</b>	2.04	Pressure vessels in refrigerating and heat-pumping plant	7,00
_____	<b>HP 801 No. 15</b>	4.02	Pressure vessels subjected to pulsating stresses	4,50
_____	<b>HP 801 No. 18</b>	5.02	Pressure vessels for fire extinguishers and vessels for fire-extinguishing agents	4,50
_____	<b>HP 801 No. 19</b>	4.02	Pressure vessels with lining or masonry lining	4,50
_____	<b>HP 801 No. 23</b>	4.02	Vehicle containers for liquid, granular and powdery materials	4,50
_____	<b>HP 801 No. 25</b>	2.04	Liquefied gas storage vessel installation	16,50
_____	<b>HP 801 No. 26</b>	5.02	Pressure vessels for gases or gas mixtures with operating temperatures below -10 °C	4,50
_____	<b>HP 801 No. 27</b>	5.02	Pressure vessels for gases and mixtures in the liquid state	4,50
_____	<b>HP 801 No. 29</b>	5.02	Rotating steam-heated cylinders	4,50
_____	<b>HP 801 No. 30</b>	5.02	Autoclaves for masonry blocks	11,50
_____	<b>HP 801 No. 34</b>	5.02	Ammonia storage vessels	11,50
_____	<b>HP 801 No. 37</b>	5.02	Heat transfer installations	4,50
_____	<b>HP 801 No. 38</b>	5.02	Experimental autoclaves	3,50
_____	<b>HP 801 No. 39</b>	5.02	Pressure vessels in isostatic presses	3,50
<b>Non-metallic materials</b>				
_____	<b>N 1</b>	5.06	Pressure vessels in glass fibre reinforced thermosetting plastics	23,00
_____	<b>N 2</b>	10.00	Pressure vessels made of electro-graphite and hard burned carbon	16,50
_____	<b>N 4</b>	7.03	Pressure vessels made of glass	21,50
_____	<b>N 4 App. 1</b>	10.00	Assessment of defects in walls of pressure vessels made of glass	4,50
<b>Special cases</b>				
_____	<b>S 1</b>	2.05	Simplified analysis for cyclic loading	64,00
_____	<b>S 2</b>	10.04	Analysis for cyclic loading	87,00
_____			General verification of stability for pressure vessels	
_____	<b>S 3/0</b>	10.00	-; Basic principles	18,50
_____	<b>S 3/1</b>	9.01	-; Vessels on skirt supports	15,50
_____	<b>S 3/2</b>	2.04	-; Verification of load-carrying capacity for horizontal vessels on saddle supports	29,00
_____	<b>S 3/3</b>	9.01	-; Vessels with domed ends on feet	13,50
_____	<b>S 3/4</b>	9.01	-; Vessels with support brackets	27,00
_____	<b>S 3/5</b>	1.03	-; Vessels with ring supports	21,50
_____	<b>S 3/6</b>	9.01	-; Vessels with nozzles subject to additional loadings	9,00
_____	<b>S 3/7</b>	10.00	-; Allowing for thermals stresses in heat exchangers with solid headers	4,50
_____	<b>S 4</b>	10.00	Evaluation of stresses determined by way of calculation and experimental stress analysis	18,50
<b>Materials</b>				
_____	<b>W 0</b>	7.06	General principles for materials	7,00
_____	<b>W 1</b>	7.06	Flat products of unalloyed and alloy steels	16,50
_____	<b>W 2</b>	7.06	Austenitic steels	35,00
_____	<b>W 3/1</b>	10.00	Cast iron with lamellar graphite (grey cast iron), non-alloy and low alloy	9,00
_____	<b>W 3/2</b>	10.00	Cast iron materials; Spheroidal-graphite cast iron, non-alloy and low alloy	9,00
_____	<b>W 3/3</b>	1.03	Cast iron materials; Austenitic cast iron with lamellar graphite	7,00
_____	<b>W 4</b>	2.05	Tubes made from non-alloyed and alloy steels	27,00
_____	<b>W 5</b>	7.03	Cast steel	11,50
_____	<b>W 6/1</b>	1.03	Aluminium and aluminium alloys; Wrought materials	21,50
_____	<b>W 6/2</b>	7.06	Copper and copper alloys	48,00
_____	<b>W 7</b>	2.05	Bolts and nuts made from ferritic steels	13,50
_____	<b>W 8</b>	5.04	Clad steels	11,50
_____	<b>W 9</b>	2.04	Steels flanges	18,50
_____	<b>W 10</b>	10.03	Materials for low temperatures; Ferrous materials	18,50
_____	<b>W 12</b>	7.03	Seamless hollow components made from non-alloyed and alloy steels for pressure vessel shells	21,50
_____	<b>W 13</b>	2.04	Forgings and rolled components made of non-alloyed and alloy steels	13,50
<b>Additional notes</b>				
_____	<b>Z 1</b>	2.04	Guidelines for meeting the essential safety requirements of the Pressure Equipment Directive when using AD 2000-Merkblätter on pressure vessels, piping and fittings	18,50
_____	<b>Z 2</b>	2.04	Guidelines for carrying out a systematic analysis of hazards	29,00