International Publications
Wastewater | Water | Waste
2018
Clear concepts. Clean environment. Shaping the future with the DWA.

The German Association for Water, Wastewater and Waste is the technical-scientific professional association which brings together the specialists and managers of the water and waste management sector from municipalities, universities, engineering firms, government agencies and companies under one roof. The DWA formulates technical standards, contributes to standardisation work, supports research, promotes training and further training, and advises politics, science and the economy. DWA was established in 1948. It is nationally and internationally active.

DWA PUBLICATIONS

Set of Rules
DWA experts formulate new findings as well as proven technical procedures in standards and guidelines and thus make an important contribution to the protection of the environment and material goods. They transform legal requirements into practical recommendations for action.

Journals, software, books
The journals KA – Korrespondenz Abwasser and KW – Korrespondenz Wasserwirtschaft, software for the application of technical rules, specialist books, summary reports, dictionaries and brochures provide target-group-specific information and support engineers, operating staff and municipalities in their everyday work.

DWA TRAINING

Events and competitions
Continuous vocational qualification and targeted youth development are important offers by the DWA. Conferences, seminars and other professional events keep engineers and operating personnel up to date. Professional competitions for aspiring academics and specialist staff motivate and draw the attention of employers to good employees.

International activities
Internationally, the DWA cooperates with state development cooperation organisations. It trains multipliers, develops curricula and compiles teaching materials, in order to qualify the operating personnel of water management plants abroad, thereby improving the environmental, social and occupational safety standards.
### Publications in English language

**DWA Set of Rules/Software**

is viewed in Germany as the general basis for planning, construction and operation of plants in water, wastewater and waste management, as well as in soil conservation. So the standards of DIN and DWA are of equal importance for the water sector.

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# Drain and Sewer Systems

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<td>DWA-A 100E</td>
<td>Guidelines of Integrated Urban Drainage (IUD)</td>
<td>41,00 €</td>
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<td>DWA-A 100E</td>
<td>Design and Construction Planning of Wastewater Treatment Facilities</td>
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<tr>
<td>ATV-A 106E</td>
<td>Standard ATV-A 106E - Design and Construction Planning of Wastewater Treatment Facilities</td>
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<td>DWA-A 118E</td>
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<td>52,00 €</td>
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<td>DWA-A 125E</td>
<td>Standard DWA-A 125E - Pipe Jacking and Related Techniques</td>
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<td>DIN EN 12889/ ATV-A 106E</td>
<td>Standard DIN EN 12889/ ATV-A 106E - Trenchless Construction and Testing of Drains and Sewers/Pipe Jacking and Related Techniques</td>
<td>98,00 €</td>
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## Software

### Hydraulics Expert

Hydraulic Calculation of Sewers and Special Structures

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<tr>
<td>Standard</td>
<td>Software for hydraulic calculation of sewers and special structures. Safe utilization of Standards DWA-A 110, DWA-A 111 and DWA-A 112</td>
<td>195,00 €</td>
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<td>Professional</td>
<td>In addition hydraulic calculations of special structures, raids and spillways; detailed hydraulic calculation and verification of inverted siphons, gutters, crash steeps and vortex drop shafts.</td>
<td>750,00 €</td>
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For more information and demoversions visit our homepage [http://en.dwa.de/software-en.html](http://en.dwa.de/software-en.html)

### Statics Expert

Structural Calculation of Buried Pipes and Liners

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<td>Module Open Cut (based on ATV-DVWK-A 127)</td>
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<tr>
<td>Pipe Jacking</td>
<td>Module Pipe Jacking (based on DWA-A 161)</td>
<td>1.979,50 €</td>
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Driven Pipes can be statically designed using the calculation module Pipe Jacking. The Standard DWA-A 161 is the first standard which contains rules for the structural calculation of pipes according to the current DIN-Standards (Eurocode). It works with partial safety coefficients.
Publications in English language

- **Module DWA complete (Open Cut and Pipe Jacking)**
  - 2,728,50 €
  - 2,182,80 €

- **Module Rehabilitation (based on DWA-A 143-2)**
  - 2,407,50 €
  - 1,926,00 €

**Professional Edition**

- **Module Open Cut (based on ATV-DWK-A 127)**
  - The Calculation-module Open Cut is suitable for the structural calculation of buried pipes. It allows for the dimensioning of pipes of all materials mentioned in Standard ATV-DWK-A 127.
  - 2,086,50 €
  - 1,669,20 €

- **Module Pipe Jacking (based on DWA-A 161)**
  - Driven Pipes can be statically designed using the calculation module Pipe Jacking. The Standard DWA-A 161 is the first standard which contains rules for the structural calculation of pipes according to the current DIN-Standards (Eurocode). It works with partial safety coefficients.
  - 2,514,50 €
  - 2,011,60 €

- **Module DWA complete (Open Cut and Pipe Jacking)**
  - 3,263,50 €
  - 2,610,80 €

- **Module Rehabilitation (based on DWA-A 143-2)**
  - 2,942,50 €
  - 2,354,00 €

For more information and demo versions visit our homepage [http://en.dwa.de/software-en.html](http://en.dwa.de/software-en.html)

All prices include the service level agreement for one year. After this, the service fee amounts to 15% of the license prize. The service includes updates and technical support.

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**Standard ATV-A 128E**

- **Standards for the Dimensioning and Design of Stormwater Structures in Combined Sewers**
  - 47,00 €
  - 37,60 €

**Standard ATV-DWK-A 134E**

- **Planning and Construction of Wastewater Pumping Stations**
  - 45,50 €
  - 36,40 €

**Standard DWA-A 138E**

- **Planning, Construction and Operation of Facilities for the Percolation of Precipitation Water**
  - 43,00 €
  - 34,40 €

**Standard DWA-A 139E**

- **Construction and Testing of Drains and Sewers**
  - 64,00 €
  - 51,20 €

**DIN EN 1610**

- **Construction and Testing of Drains and Sewers**
  - 107,00 €
  - 85,60 €

**Guideline DWA-M 143-17E**

- **Rehabilitation of sewerage systems – Part 17: Coating Wastewater Conduits, Pipes and Shafts with Cement-bonded Mortars**
  - 32,00 €
  - 25,60 €

**Guideline DWA-M 144-3E**

- **Supplementary Technical Contract Conditions (ZTV) for the Rehabilitation of Drainage Systems Outside of Buildings – Part 3: Renovation with Hose Liner Process (locally cured hose liner) for Sewers**
  - 78,00 €
  - 62,40 €

- **Also available in Chinese, Czech, French, Italian, Polish, Russian, Spanish**

**Guideline DWA-M 149-4E**

- **Conditions and Assessment of Drain and Sewer Systems Outside Buildings – Part 4: Detection of Bedding Defects and Cavities by Means of Geographical Techniques**
  - 38,00 €
  - 30,40 €
## Publications in English Language

### Software

**MDMS (Measurement Data Management System) Expert Professional**

*The starting point for a powerful data management in drainage systems (according to DWA-M 151)*

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<td>€2,530.00</td>
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<td>To control, correct and administrate data from a central point</td>
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<td>To visualize and evaluate data conclusively</td>
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<td>To convert data easily into reports, statistics and reporting systems</td>
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<tr>
<td>In short, make your data productive!</td>
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For more information and demoversions visit our homepage [http://en.dwa.de/software-en.html](http://en.dwa.de/software-en.html)

All prices include the service level agreement for the calendar year of purchase. After this, the service fee amounts to 15% of the net license prize. The service includes updates and technical support.

### Guideline

**DWA-M 153E**

**Recommended Actions for Dealing with Stormwater**

- Also available in French [see from page 21](#)

Price: €41.00 / €32.80

### Standard

**ATV-DVWK-A 157E**

**Sewer System Structures**


Price: €34.50 / €27.60

### Software

**Statics Expert – Structural Calculation**

*see page 6*

### Guideline

**DWA-M 180E**

**Framework for Planning of Real Time Control of Sewer Networks**


Price: €45.00 / €36.00

### Standard

**ATV-DVWK-A 198E**

**Standardisation and Derivation of Dimensioning Values for Wastewater Facilities**


Price: €40.50 / €32.40

### Standard

**DWA-A 199-1E**

**Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems**


Price: €35.00 / €28.00

### Standard

**DWA-A 199-2E**

**Part 2: Operating Instructions for the Personnel of Sewerage Systems and Stormwater Treatment Systems**


Price: €39.00 / €31.20

### Standard

**DWA-A 199-3E**

**Part 3: Operating Instructions for the Personnel of Wastewater Pumping Installations**


Price: €48.00 / €38.40

### Standard

**DWA-A 199-4E**

**Part 4: Operating Instructions for the Personnel of Wastewater Treatment Plants**

- Also available in Arabic [see page 20](#)

Price: €57.00 / €45.50

### Standard

**ATV-A 200E**

**Principles for the Disposal of Wastewater in Rurally Structured Areas**

- Also available in Polish [see from page 22](#)

Price: €34.50 / €27.60

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For the latest and most comprehensive list of publications, please visit our homepage [http://en.dwa.de/software-en.html](http://en.dwa.de/software-en.html).
Publications in English language

**Technical Pocketbook**

**DWA Technical Pocketbook German Water Technology – Operation and Maintenance of Drain and Sewer Systems**


This Pocketbook contains a selection of DWA-standards and Guidelines for the operation and maintenance of drain and sewer systems in a concise format. It is written for engineers, technical decision makers, consultants and all companies operating in the field of drainage systems as a guideline for implementation.

**Price**

59.00 €

47.20 €

**CD-ROM**

**DWA Set of Rules – English Version on CD-ROM**

Edition April 2018 – English translations of significant publications of the DWA Set of Rules, 49 DWA Standards and Guidelines, 4 DWA Topics and various brochures in PDF format (single user)

DWA Publications are viewed as the basis for planning, construction, improvement and operation of plants in water, wastewater and waste management, as well as in soil conservation.

The DWA Set of Rules consists of Standards and Guidelines. Standards describe the generally accepted rules of technology. Guidelines describe the state of the art. This CD-ROM additionally contains DWA Topics which present elementary results from the honorary work of the DWA specialist groups. Furthermore, you will find selected brochures for your information and public relations work.

**Update 2018**

Only for customers of the April 2016 Version

129.00 €

103.20 €

**Training System with Magnetic Cards**

**Modular Training Systems – Wastewater/Environment/Biogas/Building Site Safety**

A picture is worth a thousand words!

Colourful magnetic cards depicting the most important stages and process steps on wastewater treatment plants, in the water, waste and energy sector and in biogas plants. Illustrate complex situations in an easy and comprehensible way in:

- teaching or education,
- training of new, non-specialist or external staff,
- public relations, presentations or events.

See page 15

**Municipal Wastewater Treatment**

**Standard**

**ATV-A 106E**

**Design and Construction Planning of Wastewater Treatment Facilities**


Also available in Czech, Hungarian, Polish.

See from page 20

**Price**

26.00 €

20.80 €

**Guideline**

**DWA-M 114E**

**Energy from Wastewater – Thermal and Potential Energy**


**Price**

42.00 €

33.60 €

**Standard**

**DWA-A 131E**

**Dimensioning of Single-stage Activated Sludge Plants**


Using the dimensioning values recommended in this standard, the minimum requirements for municipal wastewater with single-stage activated sludge plants can be met or bettered at national level. In contrast to earlier editions, in which the dimensioning procedure for nitrifying and denitrifying activated sludge plants was based on the measured BOD₅ load, the design is now based exclusively on the COD load. Standard DWA-A 131 deals not only with the description of the process, the design procedure and the design bases, but also with the calculation of the mass of the sludge and the design of the secondary treatment and sludge activation.

**Price**

81.50 €

65.20 €
### Software

**Activated Sludge Expert**


Dimensioning of Single-Stage Activated Sludge Plants

The activated sludge process is a unit process comprising the biological reactor with the aeration equipment and the secondary settling tank, both connected by the return sludge recirculation. The software takes you step by step through the successful dimensioning of such activated sludge plants.

For more information and demo versions visit our homepage [http://en.dwa.de/software-en.html](http://en.dwa.de/software-en.html)

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<thead>
<tr>
<th>Price</th>
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<td>275,00 €</td>
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### Standard

- **ATV-DWK-A 198E**
  - Standardisation and Derivation of Dimensioning Values for Wastewater Facilities
  - 40,50 €
  - 32,40 €

- **DWA-A 199-1E**
  - Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems
  - 35,00 €
  - 28,00 €

- **DWA-A 199-2E**
  - Part 2: Operating Instructions for the Personnel of Sewerage Systems and Stormwater Treatment Systems
  - 39,00 €
  - 31,20 €

- **DWA-A 199-3E**
  - Part 3: Operating Instructions for the Personnel of Wastewater Pumping Installations
  - 48,00 €
  - 38,40 €

- **DWA-A 199-4E**
  - Part 4: Operating Instructions for the Personnel of Wastewater Treatment Plants
  - 57,00 €
  - 45,60 €

  Also available in Arabic, see page 20

- **ATV-A 200E**
  - Principles for the Disposal of Wastewater in Rurally Structured Areas
  - Also available in Polish, see from page 22
  - 34,50 €
  - 27,60 €

- **ATV-A 203E**
  - Wastewater Filtration Using Space Filters following Biological Treatment
  - 26,00 €
  - 20,80 €

- **ATV-M 204E**
  - Status and Application of Emission Reduction Technology with Sewage Treatment Plants – Odours, Aerosols
  - 40,50 €
  - 32,40 €

- **ATV-DWK-M 206E**
  - Automation of Chemical Phosphate Removal
  - 43,50 €
  - 34,80 €

### Standard

- **DWA-A 216E**
  - Energy Check and Energy Analysis – Instruments to Optimise the Energy Usage of Wastewater Systems
  - 80,00 €
  - 64,00 €

  The Standard introduces the energy check and energy analysis as instruments for energy optimisation of wastewater systems and formulates requirements for their execution. The scope of application of this Standard covers wastewater treatment plants and wastewater collecting. Analogue to pumping stations in wastewater treatment plants, pumping stations in the field of wastewater collecting are open to an energetic assessment by means of the presented approaches. At present no adequate systematically collected operational experience has been gained in the field of rainwater and combined wastewater treatment plants (e.g. retention soil filters etc.). The same applies for compressed air flow, pneumatic conveyance, vacuum drainage and pressure main networks. This Standard provides planners, operators and competent authorities with a practice-oriented and scientifically sound working aid for the procedural and energetic optimisation of wastewater systems and a consistent methodology.

### Standard

- **DWA-A 262E**
  - Principles for Dimensioning, Construction and Operation of Wastewater Treatment Plants with Planted and Unplanted Filters for Treatment of Domestic and Municipal Wastewater
  - 83,50 €
  - 66,80 €

  This Standard provides you with a uniform basis for the design, construction and operation of soil filters for the biological treatment of municipal wastewater. Newer test results for primary treatment in multi-compartment septic tanks were taken into account and new types of soil filters were added. In addition, plants with raw wastewater filters, plants processing wastewater from combined sewer networks, a two-stage process with vertical flow filters, artificially aerated soil filters, specifications for seasonally loaded treatment systems and systems for greywater treatment were described in detail.
Publications in English language

Guideline
DWA-M 269E
Process Analysis Equipment for Nitrogen, Phosphorus and Carbon in Wastewater Treatment Systems

Standard
DWA-A 272E
Principles for the Planning and Implementation of New Alternative Sanitation Systems (NASS)
This Standard provides you with important information on the main features of new alternative sanitation systems as well as a comprehensive overview of the current state of the art. Besides the boundary conditions, under which the use of new alternative sanitation systems can be particularly advantageous, you are equipped with basic procedures for conceptualization and planning. So that you can make optimum use of innovative sanitary systems in terms of design, planning, construction and operation, the special features are highlighted in comparison to conventional systems.

Guideline
DWA-M 277E
Information on Design of Systems for the Treatment and Reuse of Greywater and Greywater Partial Flows
This Guideline provides information and assistance for the planning, design, construction, operation and maintenance of greywater treatment and reuse systems for different applications, or for the purpose of discharge into a receiving water body. Systems which do not treat the generated greywater are not covered in this document.

Standard
ATV-DVWK-A 281E
Dimensioning of Trickling Filters and Rotating Biological Contactors

DWA Topics
Anthropogenic Trace Pollutants in the Water Cycle – Pharmaceuticals

DWA Topics
Design of Wastewater Treatment Plants in Hot and Cold Climatic Zones
The design of wastewater treatment plants under deviating wastewater and climatic conditions in other countries requires an internationally applicable approach. Target regions of this topic are hot and cold climatic zones, frequently comprising developing, emerging and transition economies. Apart from the extension and adaptation of the design specifications to the special conditions in an international context, the design algorithms in this topic were all converted for the treatment target of carbon reduction to the chemical oxygen uptake (COD) which, among others, allows the balancing of sludge formation. Additionally, practicable model computations were compiled for all processes.

DWA Topics
Treatment Steps for Water Reuse – former Title: Assessment of Process Steps for the Treatment of Wastewater for Reuse
Only available for download. Also available in Spanish see page 24

Fit in Wastewater Technology?
Also available in Russian (see page 23) and as Flashcard app, see www.brainyoo.com
This new concept was specifically developed for the practical and comprehensible transfer of knowledge for the occupation of „wastewater engineering technician“. The book contains conventional multiple-choice questions plus questions related to situations for the better understanding of processes, expeditioon questions to apply the theory to the practical work on a wastewater treatment plant and questions for reflection which should be discussed and solved with a trainer.

11
International Publications 2018
## Publications in English language

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<thead>
<tr>
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<tbody>
<tr>
<td>Training System with Magnetic Cards</td>
<td>Modular Training Systems – Wastewater/Environment/Biogas/Building Site Safety</td>
<td>A picture is worth a thousand words! Colourful magnetic cards depicting the most important stages and process steps on wastewater treatment plants, in the water, waste and energy sector and in biogas plants. Illustrate complex situations in an easy and comprehensible way in: teaching or education, training of new, non-specialist or external staff, public relations, presentations or events.</td>
<td>see page 15</td>
</tr>
<tr>
<td>Brainyoo Flashcard and eLearning Suite</td>
<td>Pumps and pumping stations</td>
<td>Ute Austermann-Haun, Hannes Felber, Achim Höcherl and others Self-learning material with nearly 200 questions and answers to pumps and pumping stations. The questions are part of a water and wastewater basic course of DWA in cooperation with GIZ. Chapter: Pumps; Maintenance of pumps; Pumping stations; Operational health and safety in pumping stations For order visit <a href="http://www.brainyoo.de">www.brainyoo.de</a></td>
<td>22,90 €</td>
</tr>
<tr>
<td>CD-ROM</td>
<td>DWA Set of Rules – English Version on CD-ROM</td>
<td>Edition April 2018 – English translations of significant publications of the DWA Set of Rules</td>
<td>see page 9</td>
</tr>
</tbody>
</table>

## Recycling Management, Energy, and Sewage Sludge

**Guideline ATV-DVWK-M 362-2E**
**Handling of Dredged Material – Part 2: Case Studies**
48,00 €
38,40 €

**Guideline DWA-M 366E**
**Mechanical Dewatering of Sewage Sludge**
62,00 €
49,60 €

**Guideline DWA-M 376E**
**Safety Regulations for Biogas Holders with Membrane Seals**
29,00 €
23,20 €

**Guideline ATV-DVWK-M 379E**
**Drying of Sewage Sludge**
26,00 €
20,80 €

**Guideline DWA-M 381E**
**Sewage Sludge Thickening**
39,00 €
31,20 €

**Guideline DWA-M 386E**
**Thermal Treatment of Sewage Sludge – Mono-Incineration**
63,00 €
50,40 €

**Guideline DWA-M 387E**
**Thermal Treatment of Sewage Sludge – Co-Incineration in Power Plants**
52,00 €
41,60 €
## Publications in English language

### Guideline

**DWA-M 804E**

*Assurance of the Quality and Economic Efficiency of Wastewater and Waste Facilities also with the Performance of Tasks by Third Parties*


39,00 €

31,20 €

### Training System with Magnetic Cards

**Modular Training Systems – Wastewater/Environment/Biogas/Building Site Safety**

A picture is worth a thousand words!

Colourful magnetic cards depicting the most important stages and process steps on wastewater treatment plants, in the water, waste and energy sector and in biogas plants. Illustrate complex situations in an easy and comprehensible way in:

- teaching or education,
- training of new, non-specialist or external staff,
- public relations, presentations or events.

see page 15

### CD-ROM

**DWA Set of Rules – English Version on CD-ROM**

Edition April 2018 – English translations of significant publications of the DWA Set of Rules see page 9

## Hydraulic Engineering and Hydro Power/Surface Water and Soil

### Guideline

**ATV-DVWK-M 362-2E**

*Handling of Dredged Material – Part 2: Case Studies*


48,00 €

38,40 €

**ATV-DVWK-M 503E**

*Basic Information on Investigation and Remediation of Tailings Impoundments*


29,50 €

23,60 €

**DWA-M 507-1E**

*Levees Built Along Watercourses – Part 1: Planning, Construction and Operation*


76,00 €

60,80 €

This publication was jointly elaborated by Deutsches TalsperrenKomitee (DTK), the German Geotechnical Society (DGGT) and the German Association for Water, Wastewater and Waste (DWA).

**DWA-M 512-1E**

*Sealing Systems in Hydraulic Engineering – Part 1: Earthwork Structures*


85,00 €

68,00 €

This publication was jointly elaborated by German Port Technology Association (HTG), the German Geotechnical Society (DGGT) and the German Association for Water, Wastewater and Waste (DWA).

**DWA-M 514E**

*Dam Surveillance*


66,00 €

52,80 €

This publication was jointly elaborated by Deutsches TalsperrenKomitee (DTK), the German Geotechnical Society (DGGT) and the German Association for Water, Wastewater and Waste (DWA).

**DWA Topics**

*Fish Protection Technologies and Downstream Fishways – Dimensioning, Design, Effectiveness, Inspection*

July 2005, 226 pages, 201 figures, 42 tables, A4, ISBN 978-3-937758-88-6 (also available on CD-ROM)

40,00 €

32,00 €

### CD-ROM

**DWA Set of Rules – English Version on CD-ROM**

Edition April 2018 – English translations of significant publications of the DWA Set of Rules see page 9
Publications in English language

Industrial Wastewater/Water Reuse/ System Related Water Pollution Control

**DWA Topics**

**Treatment of Industrial Wastewater and Process Water with Membrane Processes and Membrane Bioreactor Technology**

**Technical Book**

**Basic Process Engineering in Industrial Wastewater Treatment**
Legal basis, process engineering, production-integrated environmental protection

**Technical Book**

**Applied Process Engineering in Industrial Wastewater Treatment**
Wastewater treatment in several industries

**CD-ROM**

**DWA Set of Rules – English Version on CD-ROM**
Edition April 2018 – English translations of significant publications of the DWA Set of Rules see page 9

Vocational Training and Continuing Education

**Fit in Wastewater Technology?**
Also available in Russian (see page 23) and as Flashcard app, see www.brainyoo.com
This new concept was specifically developed for the practical and comprehensible transfer of knowledge for the occupation of „wastewater engineering technician“. The book contains conventional multiple-choice questions plus questions related to situations for the better understanding of processes, expedition questions to apply the theory to the practical work on a wastewater treatment plant and questions for reflection which should be discussed and solved with a trainer.

**Environmental Engineering Occupations, Volume 1**

**Water Supply Engineering Technician**
Explanatory notes to and practical assistance for the (German) Vocational Training Regulations
Bundesinstitut für Berufsbildung BIBB (Publisher)

**Sewage Engineering Technician**
Explanatory notes to and practical assistance for the (German) Vocational Training Regulations
Bundesinstitut für Berufsbildung BIBB (Publisher)

**Environmental Engineering Occupations, Volume 2**

**Recycling and Waste Management Technician**
Explanatory notes to and practical assistance for the (German) Vocational Training Regulations
Bundesinstitut für Berufsbildung BIBB (Publisher)

**Environmental Engineering Occupations, Volume 3**

**Technical Book**

**Wastewater Engineering in Question and Answer for Trainees, Instructors and in Daily Operation**
Technical processes – in the truest sense of the word – are comprehensible with our training aids!

Specially designed **magnetic cards** show the stations of wastewater treatment, the stations of water, waste and energy, the process of biogas production or the protection of construction sites.

The eye-catchingly depicted cards motivate the trainees to reproduce or simulate techniques and operational arrangements on whiteboard or flip chart. It is hands-on learning and learning by trying out and thus a more successful alternative to the purely passing on of information.

**Modular Wastewater Training System**
Plastic case with 66 magnetic cards, 63 flashcards (according to the magnetic cards with additional information) 1 USB stick with approx. 130 questions (ppt) on wastewater engineering

Magnetic cards, size A6 (105 x 148 mm) 438,00 €*)
available in English and Arabic

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<th><strong>Learning cards</strong></th>
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<tr>
<td>size A7 (74 x 105 mm), 63 flashcards cards (delivery period 4 weeks) 46,50 €*)</td>
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<th><strong>Classroomset (learning cards 10 x)</strong></th>
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<td>+ “Fit in Wastewater Technology” (only available in English) (delivery period 4 weeks) 401,50 €*)</td>
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**Environment Training Cards**
Water-Waste-Energy

Plastic case with 62 magnetic cards

Magnetic cards, size A6 (105 x 148 mm) 128,00 €*)

**Biogas Training Cards**
Plastic case with 84 round magnets with 14 different illustrations and 35 magnetic cards A6 (105 x 148 mm) labelled in German/English.

210,00 €*)

**Road Site Safety Training Cards**
Plastic case with 106 magnets (about 50 mm) like car, signs, traffic cones, ... 128,00 €*)

*All prices incl. VAT plus shipping costs. Subject to price changes and errors. *) 20 % discount for corporate DWA members
Publications in English language

### Economics and Law

#### Standard
- **DWA-A 133E**
  - **Valuation of Wastewater Systems – Systematic Recording, Assessment and Updating**
  - **Price for DWA-Corporate Members**
  - 39,00 €
  - 31,20 €
- **DWA-A 400E**
  - **Principles for the Preparation of DWA Rules and Standards**
  - **Price for DWA-Corporate Members**
  - 12,00 €
  - 9,60 €
- **DWA-M 803E**
  - **Cost Structures in Wastewater Engineering**
  - **Price for DWA-Corporate Members**
  - 80,00 €
  - 64,00 €
- **DWA-M 804E**
  - **Assurance of the Quality and Economic Efficiency of Wastewater and Waste Facilities also with the Performance of Tasks by Third Parties**
  - **Price for DWA-Corporate Members**
  - 48,00 €
  - 38,40 €
- **ATV-DVWK-M 807E**
  - **Allocation of Production Costs and Maintenance Expenditure for Sewage Plants**
  - **Price for DWA-Corporate Members**
  - 16,50 €
  - 13,20 €
- **DWA-M 1100E**
  - **Benchmarking in Water Supply and Wastewater Disposal**
  - March 2008, 19 pages, A4, ISBN 978-3-941897-20-5, also available in Serbian, see page 24
  - **Price for DWA-Corporate Members**
  - 29,50 €
  - 23,60 €
- **DWA Topics**
  - **Corporate Benchmarking – Metric Benchmarking as Component of the Modernisation Strategy – Performance Indicators and Evaluation Principles**
  - April 2008, 72 pages, A4, ISBN 978-3-941089-33-4, only available for download
  - **Price for DWA-Corporate Members**
  - 25,00 €
  - 20,00 €
- **Cost Manual**
  - **Dynamic Cost Comparison Calculations for selecting least-cost projects in Water Supply and Wastewater Disposal – DCCC-Appraisal Manual for Project Designers**
  - **Price for DWA-Corporate Members**
  - 58,00 €
  - 46,40 €
- **Profile**
  - **Profile of the German Water Sector 2015**
  - **Price for DWA-Corporate Members**
  - 31,89 €
  - 24,90 €
  - published together with ATT, BDEW, DBVW, DVGW, DWA, VKU

### CD-ROM
- **DWA Set of Rules – English Version on CD-ROM**
  - Edition April 2018 – English translations of significant publications of the DWA Set of Rules
  - **Price for DWA-Corporate Members**
  - see page 9

### Public Relations

#### Caution, a pump killer!
- **The wet wipe problem**
  - Flyer, 2015, 4-colored
  - Wet wipes clog pipes and canals. Restoring the water flow costs money and is labour intensive. It does not have to be this way. The flyer points to the problem of wet wipes and give tips for optimal handling of it.
  - You can purchase your copies of the flyer also with an individual address and logo imprint (b/w or 4c Euro scale). Please ask us about the conditions (info@dwa.de).
  - The prices are not transferred to your order confirmation when ordering via the DWA-Shop.
  - Please order larger numbers by e-mail to info@dwa.de.

  - **Net price:**
    - per piece
    - 0,25/pce
    - from 100 pieces
    - 0,20/pce
    - from 250 pieces
    - 0,15/pce
    - from 500 pieces
    - 0,10/pce
    - from 1.000 pieces
    - on enquiry

#### What can go in the toilet?
- **The waste bin problem**
  - Flyer, 2016, 4-colored, 12 pages
  - This flyer gives a compact and comprehensible description of what belongs in the toilet or in the waste bin and which waste products must be disposed of separately. The flyer includes the following languages:
## Correct waste disposal – Toilet or waste container?

**Poster, A3**

This poster illustrates in easily understandable drawings what belongs in the waste container and must not be disposed of in the toilet.

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<th>Pages</th>
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<td>2,50 €</td>
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## Brochures

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<td>Brochure</td>
<td>Plain talking Water: facts and figures</td>
<td>1st</td>
<td>22</td>
<td>20 x 20 cm</td>
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<tr>
<td>Brochure</td>
<td>Do we need New Alternative Sanitation Systems?</td>
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<td>16</td>
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<td>Brochure</td>
<td>Wastewater concerns everyone: Origin, discharge and treatment</td>
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<td>21</td>
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<tr>
<td>Brochure</td>
<td>Trulli the little water drop</td>
<td>3rd</td>
<td>26</td>
<td>12,5 x 12,5 cm</td>
<td>1,20 €</td>
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<tr>
<td>Brochure</td>
<td>News from Trulli Tropf</td>
<td>2nd</td>
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<td>Brochure</td>
<td>Clara clears it up</td>
<td></td>
<td></td>
<td></td>
<td>1,50 €</td>
</tr>
<tr>
<td>Brochure</td>
<td>Expedition Water Wonder</td>
<td>1st</td>
<td>20</td>
<td>20 x 20 cm</td>
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<tr>
<td>Brochure</td>
<td>straight out How water becomes clean again</td>
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<td>24</td>
<td>20 x 20 cm</td>
<td>1,50 €</td>
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<tr>
<td>Poster</td>
<td>Everything Flows – A German Water Balance</td>
<td>March</td>
<td>Size A4, folded to A4</td>
<td>2,50 €</td>
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</table>
Discover the Latest Publications for the Global Water Community

**Innovative Wastewater Treatment & Resource Recovery Technologies: Impacts on Energy, Economy and Environment**
Juan M. Lema & Sonia Suarez Martinez
ISBN: 97817870407869
June 2017
Price: €186.00

**Wastewater and Biosolids Management**
Ioannis K Kalavroutzidis
ISBN: 9781780408224
June 2017
Price: €106.00

**Dealing with the Complex Interrelation of Intermittent Supply and Water Losses**
Bambos Charalambous & Chrysi Laspidou
ISBN: 97817870407067
August 2017
Price: €106.00

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Mihaela I. Stefan
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<td>Translations of about 4,000 technical terms from the field of wastewater- and waste technology. Only available on CD-ROM.</td>
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<td><strong>Arabic</strong></td>
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<td><strong>Drain and Sewer Systems</strong> Standard: DWA-A 143-3CN</td>
<td>Rehabilitation of Drainage Systems outside Buildings – Part 3: Lining with Cured-In-Place Pipes (CIPP) (Chinese Translation)</td>
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<td>Supplementary Technical Contract Conditions (ZTV) for the Rehabilitation of Drainage Systems Outside of Buildings – Part 3: Renovation with Hose Liner Process (locally cured hose liner) for Sewers (Chinese Translation)</td>
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<td><strong>French</strong></td>
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- KW Korrespondenz Wasserwirtschaft
  Topics: Water management
  (monthly, in German language)

Application

- Yes, we would like to receive documentation from the DWA for information purposes.
- No, please do not send any documentation

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German Association for Water, Wastewater and Waste (DWA)
Mitgliederservice
Theodor-Heuss-Allee 17
53773 Hennef
Germany

fax: +49 2242 872-200  phone: +49 2242 872-123  e-mail: mitgliederservice@dwa.de  internet: en.dwa.de

04/2018
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  - (monthly, in German language)

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  or

- KW Korrespondenz
  - Wasserwirtschaft
  - Topics: Water management
  - (monthly, in German language)

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Theodor-Heuss-Allee 17
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