

CARTRIDGE SYSTEM: Water deionization with ion exchanger cartridges



The **Aquadem®** cartridge system:
Economical water deionization for all requirements
with the corresponding cartridge size

The **Aquadem®** cartridge system achieves a quality which covers
the majority of common laboratory applications.

- Specially proven technology with very simple operation
- Simple handling with quick connection system
- Suitable for set up into laboratory benches

Aquadem® DL

- Pressureless water deionization cartridge with plastic housing, filled with regenerable mixed-bed resins
- Compact and inexpensive solution for smaller requirements, ready for connection
- Simple and practical handling

| Model | Flow rate | Capacity* at 10°/25° dGS | Order no. |
|-------|-----------|--------------------------|-----------|
| 5 DL | 50 l/h | 450 / 180 l | 1941-015 |
| 10 DL | 100 l/h | 1 000 / 360 l | 1941-025 |
| 25 DL | 100 l/h | 2500 / 900 l | 1941-035 |

| Accessories DL | Description | Order no. |
|--|---|-----------|
| Connection set SB | • inlet tubing • outlet tubing • conductivity cell • riser tube • conductivity meter type SB | 1944-001 |
| Connection set GS (with set point) | • inlet tubing • outlet tubing • conductivity cell • riser tube • conductivity meter type GS | 1944-002 |

Aquadem® DF

- Pressure-resistant deionization cartridge, filled with regenerable mixed-bed resins
- Patented connection head with built-in conductivity cell
- Integrated base closure makes it the ideal cartridge for the Aquadem® refill system

| Model | Flow rate | Capacity* at 10°/25° dGS | Order no. |
|-------|-----------|--------------------------|-----------|
| 8 DF | 500 l/h | 1000 / 400 l | 1942-005 |
| 12 DF | 600 l/h | 1500 / 600 l | 1942-015 |
| 22 DF | 800 l/h | 2750 / 1100 l | 1942-025 |
| 42 DF | 1000 l/h | 5000 / 2100 l | 1942-035 |

| Accessories DF | Description | Order no. |
|--|--|-----------|
| Connection set SA | • inlet tubing • outlet tubing • adapter • conductivity meter type SA | 1944-004 |
| Connection set GS (with set point) | • inlet tubing • outlet tubing • adapter • conductivity meter type GS | 1944-005 |

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Aquadem® SDF

- Pressure-resistant water deionization cartridge, stainless steel, filled with regenerable mixed-bed resins

| Model | Flow rate | Capacity* at 10°/25° dGS | Order no. |
|--------|-----------|--------------------------|-----------|
| 13 SDF | 200 l/h | 1400 / 560 l | 1943-005 |
| 20 SDF | 600 l/h | 2500 / 1000 l | 1943-015 |
| 42 SDF | 800 l/h | 5000 / 2000 l | 1943-025 |

- Aquadem® SDF 20 – the classical standard equipment for laboratory glass dishwashers
- Long life time, transportable, suitable for particularly high demands

| Accessories SDF | Description | Order no. |
|---|--|-----------|
| Connection set SA | • inlet tubing • outlet tubing • conductivity cell • conductivity meter type SA | 1944-007 |
| Connection set GS (with set point) | • inlet tubing • outlet tubing • conductivity cell • conductivity meter type GS | 1944-008 |

* the capacity refers to an average water with total dissolved solids of 25° dGS (4.45 mol/m³), conductivity rising up to 20 µS/cm

On request all Aquadem® cartridges can be filled with disposable or ultrapure resin. Special adsorbers are also available.

Special: Aquadem® regeneration and refilling service



Aquadem® regeneration and refilling service

- A high-capacity regeneration plant at Leverkusen: 2 reactors, capable to regenerate up to 3200 l resin per day, environmentally friendly, documented and checked for constant high resin quality
- All resins supplied, whether as cartridge refills or as bulk packages, are documented with batch numbers
- Special Werner voucher system for an economical and trouble-free regeneration service
- The Aquadem® refill system: refilling used cartridges yourself with regenerated resin from Werner saves transport costs and delivery time

Our target is quality



Experience and innovation

For more than twenty years now the name of WERNER stands for the highest quality in pure and ultra pure water technology for lab and industry. WERNER is your partner with own sales and service locations in many European countries. With quality reference, innovative strengths and flexibility we are a leading supplier of pure and ultra pure water systems in the german and international markets.

Products and services from a single supplier

Ever more accurate and ever more analytical and production technologies in industry and research require innovative water treatment methods. We offer everything from the smallest laboratory unit with an output of 0.5 l/min up to technical plants with 20 000 l/hour — precise and tailor-made solutions from a single supplier. This is backed up by a highly motivated team that develops and produces solutions from analyzing and advising, via CAD design and production, to start-up and maintenance.

WERNER quality – certified to ISO 9001:2000

Since 1996 we fulfill the highest internationally recognized quality requirements and have the certificate to prove it. WERNER is one of the first suppliers of water treatment plants who has gained the ISO certification. In this way we have provided a safeguard for the future for our company, our customers and our business partners.



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Wilhelm Werner GmbH