

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 | 2 500 / 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