

Berkoion™ Softeners

Classic Duplex Range



Berkoion™ Classic Duplex softeners provide high quality softened water for industrial applications.

Flow rates from **1.4 to 17 m³/hr.**

Features & Benefits

- Proven designs and materials; efficient operation, easy to maintain, reliable
- Volume or sensor controlled automatic regeneration; minimal operator involvement, efficient operation
- Bercore™ counter current regeneration; reduces salt usage and waste, lowers cost per litre of treated water, improves treated water quality
- Duplex design; continual flow of treated water

Specific models

- Advanced controller with LCD display; range of control options, easy to use, integrates with centralized control systems

Applications

- Boiler feed
- Glass washing
- Cleaning and rinse waters
- RO feed water
- General manufacturing

Related Services

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.

Berkoion™ Softeners

System Performance

| Model | Flow Rates | Capacity | Salt Usage Per Regen. | Connection | Working Pressures | Width | Height | Depth |
|--------------------------|--------------------|----------------------|-----------------------|--------------------|-------------------|-------|--------|-------|
| | m ³ /hr | kg CaCO ₃ | kg | Rp (inches)/DN(mm) | bar | mm | mm | mm |
| Volume controlled | | | | | | | | |
| AWA 2-25 | 1.4 - 2.0 | 1.3 | 2.5 | Rp 1 | 1.8 - 8.5 | 1110 | 1087 | 390 |
| AWA 2-45 | 2.3 - 3.2 | 2.3 | 4.0 | Rp 1 | 2.0 - 8.5 | 1310 | 1577 | 530 |
| AWA 2-70 | 2.8 - 3.5 | 3.5 | 6.5 | Rp 1 | 2.0 - 8.5 | 1447 | 1556 | 530 |
| AWA 2-90 | 4.0 - 5.0 | 4.5 | 8.0 | Rp 1 | 2.0 - 8.5 | 1579 | 1832 | 600 |
| AW 2-105 | 6.0 - 7.2 | 4.8 | 8.6 | DN 40 | 2.0 - 8.5 | 1748 | 1918 | 650 |
| AW 2-150 | 8.0 - 10.0 | 7.1 | 12.6 | DN 40 | 2.5 - 8.5 | 2190 | 1928 | 980 |
| AW 2-250 | 12.0 - 14.0 | 12.2 | 21.6 | DN 50 | 2.5 - 8.5 | 2482 | 1895 | 995 |
| AW 2-350 | 15.0 - 17.0 | 17.3 | 30.6 | DN 50 | 2.5 - 8.5 | 2853 | 2228 | 1185 |
| Sensor controlled | | | | | | | | |
| AWS 2-105 | 6.0 - 7.2 | 4.8 | 8.6 | DN 40 | 2.0 - 8.5 | 1748 | 1918 | 650 |
| AWS 2-150 | 8.0 - 10.0 | 7.1 | 12.6 | DN 40 | 2.5 - 8.5 | 2190 | 1928 | 980 |
| AWS 2-250 | 12.0 - 14.0 | 12.2 | 21.6 | DN 50 | 2.5 - 8.5 | 2482 | 1895 | 995 |
| AWS 2-350 | 15.0 - 17.0 | 17.3 | 30.6 | DN 50 | 2.5 - 8.5 | 2650 | 2228 | 1185 |

Displays & Controllers

AW 2-25, AW 2-45, AW 2-70, AW 2-90

Microprocessor controller with LED display.

AW(S)105, AW(S)150, AW(S)250, AW(S)350

Advanced microprocessor controller with LCD display. Intuitive symbol based keypad; programmable with retentive memory; indication of current flow rate, capacity remaining before next regeneration; pulse input. May be connected to centralized control system.

Material Specifications

| | |
|----------------------|--------------------------------|
| Resin Vessels | Glass Reinforced Plastic (GRP) |
| Brine Tanks | Polyethylene (PE) |

Feed Water Supply Quality

Potable water free from organic contamination and suspended matter. Maximum temperature 40°C.

Electrical Supply

All models 230V 50Hz standard

For higher flow rate applications consult your local Veolia Water Solutions & Technologies company, details below.

In keeping with the progressive nature of the company, we reserve the right to amend details without notice.

VWS CATALOGUE/Berkoion™ Classic Duplex Range/AQF0040_EN_V2.1

Visit our website:
www.veoliawaterst.com