

PURITE

# Battery Water Systems

Reliable, compact and cost effective systems for the production of purified water for wet-cell lead acid batteries



- Proven, reliable and robust technology for generating purified water at point of use
- Simple to use and maintain
- Choice of units
- Wall mounted cartridges or exchangeable cylinders available
- Dedicated cylinders backed by our Cylinder Exchange Service
- Full range of accessories.

**WATER PURIFICATION SYSTEMS**

# Battery Water Systems

Reliable, compact and cost effective systems for the production of purified water for wet-cell lead acid batteries

## Battery Water Systems

The battery water dispensing stations (BWDS) produces consistent quality battery water direct from a mains supply to meet the requirements of BS4974 Grade A water. Each unit is easy to install, being wall mounted for effective use of space, and incorporates a simple colour change window to provide a quick and easy to understand indication of when the cartridge needs to be replaced.

Two versions are available, each with dispensing guns:

- BWDS 3 Series: for supplying high quality purified water to service up to 10 lead acid batteries
- BWDS 7 Series: for supplying high quality purified water to service up to 20 lead acid batteries
- Dispensing gun has 3m coiled tube
- Each unit is supplied with a spare cartridge.

## Technical and product specifications

	BWDS 301G	BWDS 701G
Re-order code	K991034A	K991049A
Maximum inlet pressure (bar)	5	
Maximum flow rate (l/hr)	60	120
Typical output (litres)*	120	240
Inlet connector (inches)	0.5	
Working weight (kg)	1.7	2.7
Shipping weight (kg)	3.5	5.5
Height x width x depth (mm)	580 x 80 x 100	760 x 80 x 100
Cartridges supplied	2 x B340	2 x B700
Dispensing gun supplied	Yes	
Coil / tube supplied	3 metre coil	

\* Based on 200ppm total dissolved solids feed water  
All BWDS products are supplied with wall mounting fixtures



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## PURITE

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## Cylinder Systems

A range of floor standing cylinders is also available for the generation of larger volumes of purified water. Each cylinder is easy to install and can be replaced under the SUEZ Cylinder Exchange Service, with an exchange indicator kit being available to indicate when the cylinder requires renewal. Cylinders can also be connected to a distribution system to serve multiple battery bays.

Three cylinder sizes are available:

- DC7 for flow rates up to 650 l/hr
- DC8 for flow rates up to 750 l/hr
- DC9 for flow rates up to 1500 l/hr

A wide range of accessories is available including:

- **Blue 1/2 inch conductivity fittings:**  
One set should be purchased for each cylinder (order code L991301)
- **RM1 exchange indicator kit:**  
To show when the cylinder requires replacing (order code L991144)
- **Dispense gun and 5m coil kit:**  
To provide remote dispense flexibility (order code L991595)
- **3m dispense gun coil:**  
To extend the length of a standard coil (order code R121020)
- **Mobile battery topping trolley:**  
Robust trolley containing a 34 litre tank with large filling inlet. A battery powered 12V pump (with charger) delivers a high flow rate for the rapid dispensing of purified water. (order code K991013)

## Technical specifications

	DC 7	DC 8	DC 9
<b>Performance</b>			
Maximum flow rate (l/hr)	650	750	1500
Minimum flow rate (l/hr)	110	220	390
Maximum Pressure (bar)*	6		
Pressure drop at max flow (bar)	0.5		1.2
Max operating temperature (°C)*	66		
Capacity per ppm tds (m <sup>3</sup> )**	300	450	880
<b>Dimensions: (mm)</b>			
Height	760	1060	1095
Diameter	205		
Inlet hoesetail	13		
Outlet hoesetail	13		
<b>Weight: (kg)</b>			
Working	19	28	51

\* When operating above 50°C, max inlet pressure is 3 bar

\*\* Parts per million total dissolved solids