



Industrial Batteries (UK) Limited

**Main distributor of Alcad Ni-Cd Batteries in the UK
and suppliers of Battery Support Services**

Industrial Batteries (UK) Limited

Greenlands Business Centre

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MAINTENANCE EQUIPMENT

IBLUK can supply a range of installation and commissioning kits approved by Alcad and Saft for their industrial Ni-Cd batteries

For cells delivered filled the complete installation and commissioning kit consists of:

- Protective equipment kit: gloves, apron, goggles and eye wash bottle
- Electrolyte testing kit: hydrometer, level testing tube and a one litre filling bottle.
- Spanner set kit: three spanners (8/10 mm, 13 mm and 16 mm), one litre of Safecoat DW33, anticorrosion protection oil and a brush.
- Digital multimeter



These items can be supplied as a complete kit or as individual kits as above.



For cells delivered empty, in addition to the complete installation and commissioning kit above, an electrolyte preparation kit is required. This consists of:

- Electrolyte filling kit: thermometer, funnel and two litre jug.
- Electrolyte mixing kit: mixing tank, tank lid and stirring rod.

These items can be supplied as a complete kit or as individual kits as above.

In addition to the above kits IBLUK can also supply additional installation and maintenance accessories. These include:

- Torque wrench : 5 to 50 N.m with 10 mm, 13 mm and 16 mm sockets.
- Carbonate testing kit: 0.25 litre plastic bottle, filters, plastic graduated cylinder, plastic bags of BaCl₂ & 2H₂O, plastic funnel, Erlenmeyer and rubber plug and standard hydrometer.



FILLING EQUIPMENT

IBLUK can supply a water filling system adapted specifically for topping up the Alcad and Saft industrial Ni-Cd battery ranges.

These reliable guns have an automatic shutoff powered by the water flow. Powered by the water itself, it has no solenoids, no electronics and no wiring. It keeps eyes and face away from battery hazards, and reduces backache from bending over batteries. It is insulated to prevent sparking on connectors.



The total length of the filling pistol is 625 mm and it is supplied with a kit of eight spacer tubes so that the probe depth can be accurately set to suit the ranges of Alcad And Saft cells.

To function correctly, the filling pistol requires a filling pressure of 1 to 1,7 bar and a flow rate of about 8 litres per minute.

To complement the filling gun, we supply a range of suitable water supply equipment.

The powered filling cart has a capacity of 37.5 litres and supplies water where you want it, when you want it. At the heart of the battery powered cart is a "demand pump" controlled by a pressure switch and powered by an on-board battery. When the gun is operated, the pump turns on automatically; when the gun shuts off, the pump shuts off. By turning itself off when not being used, the demand pump uses energy very efficiently.



For applications where a more portable system is required we can supply a manual 'back-pack' system with a 20 litre working capacity. This has a robust, plastic body with a brass hand pumped compression chamber and twin shoulder straps.

We can also supply a range of professional quality de-ionisers. These are not just filters, which only removes particles, but a real ion-exchange medium which electrostatically removes dissolved impurities. Purity is comparable with distilled water and ideal for batteries.

Our de-ionisers can be used as a stand-alone system or directly with our battery watering gun.



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