

H-Type vacuum user guide

(Read before issue and use)

This guide is intended for use by Northern Powergrid employees only for the approved Thermac battery powered H-Type vacuum.

****Use of the vacuums is restricted to authorised users only* and is restricted to being used when undertaking the limited asbestos works tasks identified in Northern Powergrid policy document, HAS/012/002.**

Battery charging

1. Open the vacuum lid by releasing the two side clips (*image 1*).
2. **Remove the battery from the vacuum** by sliding the battery retained lever, raise the battery from the unit (*image 2*).
3. Using the supplied charger[¥], insert the battery lead into the battery charging port.
4. Plug the 3 pin plug into a main supply and switch on to power the charger.
5. Charge light on charger will be illuminated red when charging, green when battery is fully charged.
6. Relocate the battery once fully charged. Ensure battery is fully located and locked into position, close the lid.

Initial set up (first use)

1. Open the vacuum lid by releasing the two side clips (*image 1*) and remove the hose from the lid compartment.
2. Remove the vacuum bung from the side of the vacuum body hose opening (*image 3*).
3. From one end of the hose, remove the sealing bungs and insert the open end of the hose into the vacuum hose opening on the side of the vacuum. This is a friction fit and as such will need to be pushed in to secure (*image 4*).
4. Gently, pull the hose to ensure correct engagement. Should it come loose, re-insert and test again if necessary.
5. Once set up, place the vacuum, with the hose's free end bunged, and hose attached to the vacuum into the clear, labelled bag and "swan neck" the bag as demonstrated in training (*image 5*).

The vacuum is now ready to be issued and ready for use*

When using the vacuum on the permitted tasks, prior to undertaking the task, always carry out a personal risk assessment and ensure that you are confident that the task can be carried out safely and fully, as shown in training.

DO NOT PROCEED WITH THE TASK/S IF YOU ARE UNSURE. In such cases, consult your Northern Powergrid Regional Vacuum Co-Ordinator (NPg/RVC) before proceeding.

Undertaking the task/s (first and subsequent use)

- Before opening the bagged vacuum (*see "initial set up"*), check that the hose **and** hose end cap are in place by looking through the sealed bag.
- Should you suspect the hose or hose end cap have become loose or have detached. **DO NOT OPEN THE BAG**, follow "**Corrective Actions**" below.
- Remove the vacuum from the sealed clear bag.
- Power up the vacuum **BEFORE** removing the hose bung as demonstrated in the training session.
- After powering up the vacuum, remove the hose bung and "shadow vacuum" around the asset being worked on while it is being interacted with.
- Having performed the shadow vacuuming/task, reinsert the hose bung and then power-down the vacuum.
- **DO NOT REMOVE THE HOSE**
- With the hose attached and the hose bunged, re-seal the vacuum in the clear, labelled bag taking care not to rupture or tear the bag.
- Swan neck (seal) the bag and secure the neck of the bag with a cable tie to allow ease of open for future use

Transporting and storing the vacuum

- Transporting the vacuum **DOES NOT** require a Hazardous Waste Consignment Note, however, the vacuum **MUST** be sealed in a clear bag.
- Check the bag for damage before placing the vacuum inside, where damage is suspected or observed, follow “**Corrective Actions**” below.
- Ensure the bag remains sealed in the clear labelled bag during transportation and storage until next use.
- Transport, handle and store the vacuum with care and securely.

Corrective Actions

Should you encounter ANY issues with the vacuum at ANY time, inform your Northern Powergrid Regional Vacuum Co-Ordinator (NPg/RVC).

- If, prior to use, or on inspection, it is believed that the bag has ruptured or torn, seal the torn area with tape and inform your NPg/RVC immediately. Alternatively, place the sealed vacuum in a second bag and seal.
- Where it is believed that the hose or hose end cap have worked or become loose, DO NOT open the sealed bag, inform your NPg/RVC immediately
- Should the vacuum stop operating at any time, suspend the task, bung the hose, place and seal the vacuum in the clear labelled bag and inform your NPg/RVC.
- DO NOT remove the hose from the vacuum AT ANY TIME.
- DO NOT attempt to clear blockages or repair issues with the vacuum, This MUST be addressed by the vacuum supplier.
- Should the vacuum's strobe light illuminate (*image 6*), or the vacuum motor pitch increases substantially during use (as demonstrated in the training), seal the hose end with the supplied bung, switch off the vacuum, seal it in the clear labelled bag, and report to your NPg/RVC.

The battery **CAN** and must be removed from the vacuum for re-charging. Open the vacuum with care as described above (**Battery Charging**) and follow the charging instructions detailed.

The hose does not require removal and MUST NOT BE REMOVED.

DO ATTEMPT TO REMOVE THE WASTE CARTRIDGE FROM THE VACUUM.

NOTE:

As informed and demonstrated in training, the vacuum will “cut-out” after approximately 5 seconds if it is powered up while the hose bung is in place. This is a design feature of the vacuum to prevent the overheating of and damaging the motor. The vacuum will power up after shutdown when the power button is operated.

All vacuums **MUST** only be serviced by the supplier and at least on a 6 monthly interval. **NO ATTEMPT** must be made to perform any level maintenance, repair or servicing by any Northern Powergrid employee.

Vacuum repairs, maintenance and servicing must be arranged and administered through your respective, NPg/RVC.

Where the test date (displayed on the vacuum test plate) has past/expired, remove the vacuum from service and contact your NPg/RVC.

The oversized, clear polythene, asbestos labelled bags (*image 7*) are provided and must be used for vacuum storage and transportation.

Stock code: **Supplier:** TW Engineering Ltd (TWE)

‡ Only the approved, supplied charger **MUST** be used to prevent damage and overheating/charging of the battery.

Users of the vacuum **MUST have attended the 2025, Northern Powergrid specific, non-licensed training presentation, course code: MHS135 (refresher) or MHS127 (initial/New). An Asbestos Awareness course **IS NOT** suitable to use the vacuum.

Images and links.



Thermac. Mac-Vac Lite. Lithium (battery) powered BS 8250/3 H-Type vacuum.

Image 1	Image 2	Image 3	Image 4
Image 5	Image 6	Vacuum opened to access battery for charging Do NOT remove hose	
	<p>Vacuum Storage bags</p> <p>Standard labelled bags are not suitable in size to secure the vacuum correctly. Oversized bags (x2) must be issued for the safe storage of the vacuums</p>		TBA
Image 7	<p>Standard bag: 900 x 600 Oversize bag: 1200 x 900 (H x W)</p>		<p>Link to video demonstration of vacuum use, (information only) Video NOT suitable for or accepted as formal training.</p>
		<p>N. Tyne & Wear Teesside North Yorks. Humber West Yorks. South Yorks.</p>	<p>Ross Blythe Peter Allen Nab. Hussain (Deputy) Gary Munford Mike Richards Neil Bond Mike Hall (Deputy) Mark Ozols</p>
Link to provide feedback following use of vacuum	Link to supplier vacuum information	Link to NPg Regional Vacuum Controller (NPg/RVC)	