



# Desiccant Breather Type HB

## Fitting/Assembly Instructions

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International

### HB Type

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### Fitting/Assembly Instructions

The Breather is supplied in an assembled state. Remove the top casting from the assembly and screw onto the transformer.

Ensure all male/female threads are lubricated with a suitable aluminium anti-seize paste.

Remove the bottom casting including the oil cup. Remove the sealing bungs from each end of the charge, place one end to the central thread on the top casting and screw into position by rotating the charge in a clockwise direction.

Where fitted, the breather top casting should be attached to its bracket. Mounting brackets are available on request.

After three complete turns some resistance should be encountered. The charge can then be rotated a further three quarters of a revolution, thus completing the top seal.

Slide the protecting screen up over the charge and locate it inside the top casting rim.

Pour a small quantity of transformer oil (to BS148) into the oil cup, up to the oil level mark.

Screw the cup on to the bottom of the charge until some resistance is met, then rotate a further one-third of a revolution. The breather is now complete.



### Charge Replacement

To dismantle for reactivation, unscrew the oil cup and remove the protective shield. Unscrew the charge by rotating in an anti-clockwise direction and remove.

A replacement charge should immediately be fitted and the assembly procedure adopted.

### Charge Saturation

It is recommended that when two thirds of the charge becomes saturated, i.e. "crystals become pale yellow", the charge should be replaced and the original one re-activated. See the colour chart attached to the breather.

### Re-activation of Charge

Remove the oil cup and wipe away any excess oil from the underside of the breather body then remove the screen.

Unscrew the breather in an anti-clockwise direction.

The saturated charge may be re-activated by using a Hawke breather dryer unit, for approximately 3 hours or until the charge has acquired a deep orange appearance. For more information on dryer units please contact our sales office on +44 (0) 830 6698.

Alternatively the breather containing the saturated desiccant can be re-activated in a fan assisted thermostatically controlled oven at a maximum temperature of 80°C (176°F) until the desiccant becomes dark orange again.

### PLEASE NOTE

POLYCARBONATE TUBE - Maximum exposure temp 80°C (176°F).

For cleaning purposes use only water and a non-abrasive cloth.