

Desiccant Breather Type HBP & HBP/2

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Features

- HBP types are refillable.
- Annular Baffles promote efficient use of the gel.
- Rapid recharge of saturated charges.



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This type of desiccant breather has been designed to provide an economical protection device for smaller transformers having a low oil content. The breather body and oil seal cup are moulded in high strength polycarbonate to ensure high mechanical strength and weather resistance. Hawke desiccant breather types HBP and HBP/2 are refillable.

Fitting/Assembly Instructions

These units should be assembled on the shaded side of the transformer for the most efficient operation.

1. Remove the oil cup by turning it anti-clockwise.
2. Remove the breathing port blanking paper ring from the underside of the breather body, this will expose the six ports.
3. Remove the 3/4" BSPP blanking plug from the top end of the desiccant breather. Screw the breather body in a clockwise direction, either directly onto the transformer breather pipe or the appropriate thread adaptor, using a suitable spanner on the brass hexagon insert to tighten the Breather onto the pipework. PTFE thread tape on these pipe threads will seal and enable easy removal for recharging.
4. Pour 6ml of BS148 transformer oil into the oil cup and refit to the breather. This will seal and enable easy removal for recharging.



Charge Saturation

It is recommended that when the lower half of the charge becomes saturated, i.e. "crystals become pale yellow", the breather is recharged or refilled. See the colour chart attached to the breather.

Re-activation of Charge

To re-activate the charge, you must follow the instructions below:-

1. Remove the oil cup and wipe away any excess oil from the underside of the breather body.
2. Unscrew the breather in an anti-clockwise direction.
3. a) Empty the saturated desiccant through the 3/4" BSPP hole, then fill with dry dark orange desiccant and re-fit on the transformer, as previously described.

OR

- b) Replace with a new breather.

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, alternatively the saturated desiccant can be placed on an oven-proof tray and re-activated in the oven at 120°C - 130°C (250°F - 265°F).

Please remember to replace the blanking plug and seal the lower ports until the breather is next required.

PLEASE NOTE

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