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chamber **145** as required, the desired function of the breather filter unit can be exhibited. In comparison with the previous preferred embodiments wherein the breather filter unit is formed independently of the housing, the preferred embodiments shown in FIGS. **13** and **14** can make the structure simpler, thereby greatly contributing to a reduction in cost of the magnetic disk drive.

According to the present invention, corrosive gas in the air can be efficiently removed by adsorption by using activated carbon in an amount less than that in the related art in combination with a fibrous filter and usual filters, thereby introducing a purified air into the magnetic disk drive. In addition, the present invention can provide a breather filter unit having a small size and a simple structure.

What is claimed is:

1. A breather filter unit for a magnetic disk drive including a base and a cover fixed to said base, said cover having a vent, said breather filter unit comprising:

a casing fixed to an inner surface of said cover, said casing having a vent inlet communicating with said vent of said cover and a vent outlet communicating with an inside of said magnetic disk drive, said vent outlet being opposed to said vent inlet;

a first filter contained in said casing at a position adjacent to said vent inlet, said first filter comprising a plurality of fibers extending in a direction substantially parallel to that of an air flow from said vent inlet toward said vent outlet;

a second filter bonded to said casing so as to cover said vent outlet; and

an activated carbon layer contained in said casing at a position between said first filter and said second filter.

2. A breather filter unit for a magnetic disk drive according to claim **1**, wherein silica gel is mixed in said activated carbon layer.

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3. A breather filter unit for a magnetic disk drive according to claim **1**, further comprising a third filter bonded to said casing so as to cover said vent inlet.

4. A breather filter unit for a magnetic disk drive according to claim **3**, further comprising a protective net provided between said second filter and said activated carbon layer.

5. A breather filter unit for a magnetic disk drive according to claim **4**, further comprising a fourth filter provided between said first filter and said activated carbon layer.

6. A breather filter unit for a magnetic disk drive including a base and a cover fixed to said base, said cover having a vent, said breather filter unit comprising:

a casing fixed to an inner surface of said cover, said casing having a vent inlet communicating with said vent of said cover and a vent outlet communicating with an inside of said magnetic disk drive, said vent outlet being opposed to said vent inlet;

a first filter contained in said casing at a position adjacent to said vent inlet, said first filter comprising a plurality of fibers extending in a direction substantially parallel to that of an air flow from said vent inlet toward said vent outlet; and

a filter bag contained in said casing at a position adjacent to said vent outlet, said filter bag containing activated carbon therein.

7. A breather filter unit for a magnetic disk drive according to claim **6**, wherein said filter bag further contains silica gel.

8. A breather filter unit for a magnetic disk drive according to claim **6**, further comprising a second filter bonded to said casing so as to cover said vent inlet.

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