Claims

1. A fan holder for a fan (16), having a frame (26) which has an opening (27), through which a gaseous medium flows during operation, wherein the opening (27) forms an accommodating region (28), which is adapted to accommodate different, interchangeable inserts, in particular a filter insert (24) and a flap device (21), and has at least one retaining means for fixing the respective insert.

2. The fan holder as claimed in claim 1,
characterized in that
the opening (27) is delimited laterally by retaining surfaces (29), which retain the respective insert in the frame (26).

3. The fan holder as claimed in claim 1 or 2,
characterized in that
the accommodating region (28) has a retaining device, in particular at least one elastic element (30) or at least one latching nose, which subjects the respective insert to a retaining force during operation.

4. The fan holder as claimed in claim 3,
characterized in that
an elastic element (30) is arranged in each of the corners (31) of the accommodating region (28), said elastic elements connecting the retaining surfaces (29).

5. The fan holder as claimed in one of the preceding claims,
characterized by the provision of
a, preferably separable, cover (11), via which the fan holder, in particular the accommodating region (28) thereof, can be closed in the outward direction.

6. The fan holder as claimed in claim 5,
characterized in that
the cover (11) has a front lattice (13), which is designed in the form of a diffuser and has a plurality of through-slots (39) in particular with an elliptical cross section.

7. The fan holder as claimed in claim 5 or 6,
characterized in that

the frame (26) forms an, in particular all-round, step (19), on which the cover (11) can be positioned.

8. A set comprising a fan holder as claimed in claim 1, a flap device (21) and a filter insert (24), wherein the flap device (21) and filter insert (24) can be accommodated in the same accommodating region (28) of the fan holder (10).

9. A ventilating device, in particular for a switch cabinet comprising a fan holder (10) as claimed in one of claims 1 to 7, and also a fan (16).

10. The ventilating device as claimed in claim 9,
characterized in that
the fan (16) is connected to the fan holder (10) via a fan funnel (15).

11. A flap device (21) for a fan holder (10) as claimed in one of claims 1 to 7, having a flap frame (32), which can be inserted into the accommodating region (28) of the fan holder and holds at least one, in particular more than one, flap,(23).

12. The flap device as claimed in claim 11,
characterized in that
the flaps (23) are closed when a fan (16) is in a switched-off state.

13. The flap device (21) as claimed in claim 11 or 12,
characterized in that
the flaps (23) are connected in a releasable manner to the flap frame (32).

14. A ventilating device having a fan holder as claimed in one of claims 1 to 7 and having a flap device as claimed in either of claims 11 to 13,
characterized in that
a longitudinal axis (L) of the through-slots (39) is oriented essentially parallel to the flaps (23) in an open state.

15. A switch cabinet comprising a ventilating device as claimed in claim 9 or 10, characterized in that
the fan holder (10) is arranged in the upper half of the switch cabinet, in particular in an upper third of the switch cabinet.

Claims

1. A ventilating device having a fan holder (10) for a fan (16), having a frame (26) which has an opening (27), through which a gaseous medium flows during operation, wherein the opening (27) forms an accommodating region (28), which is adapted to accommodate different, interchangeable inserts comprising a filter insert (24) and/or a flap device (21), and has at least one retaining means for fixing the respective insert whereby the fan holder further comprises a separable cover (11), via which the accommodating region (28) of the fan holder can be closed in the outward direction, the cover having a front lattice (13), which is designed in the form of a diffuser and has a plurality of through-slots (39) with an elliptical cross section, having a flap frame (32), which can be inserted into the accommodating region (28) of the fan holder and holds at least one flap (23), characterized in that a longitudinal axis (L) of the through-slots (39) is oriented essentially parallel to the flaps (23) in an open state.

2. The device as claimed in claim 1, characterized in that the opening (27) is delimited laterally by retaining surfaces (29), which retain the respective insert in the frame (26).

3. The device as claimed in claim 1 or claim 2, characterized in that the accommodating region (28) has a retaining device comprising at least one elastic element (30) or at least one latching nose, which subjects the respective insert to a retaining force during operation.

4. The device as claimed in claim 2 or claim 3, characterized in that an elastic element (30) is arranged in each of the corners (31) of the accommodating region (28), said elastic elements connecting the retaining surfaces (29).

5. The device as claimed in claim 1, characterized in that the frame (26) forms an all-round, step (19), on which the cover (11) can be positioned.

6. The device as claimed in claim 1, wherein the flap device (21) and filter insert (24) can be accommodated in the same accommodating region (28) of the fan holder (10).

7. The device as claimed in any one of claims 1 to 5, and also a fan (16) for a switch cabinet.

8. The device as claimed in claim 7, characterized in that the fan (16) is connected to the fan holder (10) via a fan funnel (15).

9. The device as claimed in claim 1, characterized in that the flaps (23) of the flap device (21) are closed when a fan (16) is in a switched-off state.

10. The device (21) as claimed in claim 1 or claim 9, characterized in that the flaps (23) of the flap device (21) are connected in a releasable manner to the flap frame (32).

11. A switch cabinet comprising a ventilating device as claimed in claim 7 or claim 8, characterized in that the fan holder (10) is arranged in the upper half of the switch cabinet.