Claims

1. A method for containing effluent from one or more ovens (112) using an exhaust device according to one of claims 10-15, comprising:

positioning one or more ovens (112) in the cabinet (110) and surrounding the one or more ovens with a cabinet suction zone generated by a continuous space therein that opens, at oven face inlets, toward a forward face of the cabinet (110) coinciding with a forward face of the one or more ovens (112);

positioning the forward overhanging hood portion (102) and creating a perimeter suction zone along a perimeter of the forward overhanging hood portion (102);

the suction zone having forward and side aspects;

the forward overhanging hood portion (102) being contiguous and connected to the cabinet (110) and the perimeter and cabinet suction zones being created by a negative pressure in the continuous space in communication between the hood portion (102) and the cabinet (110);

the continuous space being in communication with an exhaust connection connected to an exhaust fan to generate the negative pressure;

the oven face inlets defining at least one side inlet and a top inlet immediately adjacent to each of the one or more ovens (112) on a non-hinge side of the one or more ovens; and

collecting fumes emitted by opening the door of the one or more ovens (112) through the oven face inlets and the perimeter suction zone and exhausting them through the exhaust connection.

2. The method of claim 1, wherein the collecting includes controlling the flow of exhaust by means of a fan controller (512) or a damper (510) responsively to a state of one or more of the one or more ovens (112).

3. The method of claim 1, wherein the cabinet (110) has a generally constant cross-section and the hood portion (102) is larger than the cabinet on three sides defining two opposing lateral overhanging portions and the one forward overhanging portion.

4. The method of claim 3, wherein the forward overhanging portion is deeper than either of the lateral overhanging portions.

5. The method of one of claims 1 - 4, wherein the hood portion (102) has at least one curtain jet (106) directed downwardly.

6. The method of claim 5, wherein fumes are directed by a baffle plate (128) along a lower surface of the hood portion (102) toward a vertical inlet register and into the continuous space.

7. The method of claim 6, wherein the baffle plate (128) is lower toward a forward side of the hood portion (102) and higher toward a rearward side of the hood portion.

8. The method of one of claims 1 - 5, wherein the oven face inlets have adjustable widths and the oven face inlets each form an L-shape and include a horizontal portion and a vertical portion.

9. The method of claim 8, wherein the one or more ovens (112) are two ovens.

10. An exhaust device, comprising:

a cabinet (110) defining a cabinet plenum that opens to front facing inlet registers on a forward face of the cabinet;
the cabinet (110) having support bays for accommodating ovens (112) therein, that open at the forward face of the cabinet at respective support bay openings;
a hood portion (102) at a top of the cabinet having a hood plenum in communication with the cabinet plenum;
the cabinet and hood plenums being in communication with an exhaust outlet having a filter (250); **characterized in that** the hood portion (102) has a front overhang that is at least 20 percent of the depth of the cabinet (110) and overhangs the forward face of the cabinet;
the front overhang defines a recess that overlies the front of the cabinet (110) and is in fluid communication with the hood plenum; and
the front facing inlet registers include a horizontal register and a first vertical register immediately adjacent each of the support bay openings.

11. The device of claim 10, wherein the front overhang has a depth of at least 30.5 centimeters.

12. The device of one of claims 10-11 wherein the recess has a baffle plate (128) at a blind end thereof that is pitched to guide fumes toward a top of the cabinet (110) and into an inlet open to the hood plenum.

13. The device of claim 12, wherein the front facing registers form an L-shaped opening.

14. The device of claim 13, further comprising a second vertical register adjacent each of the support bay openings and opposite the first vertical register, the first vertical register being larger than the second vertical register, the vertical and horizontal registers having adjustable widths.

15. The device of claim 14, wherein the support bays are two support bays including lower and upper support bays, the horizontal register adjacent the bottom lower support bay being larger in area than the horizontal register adjacent the upper support bay.