

<p><b>PRIMARY ENCLOSURE-VENTILATION</b></p>	<p>A transport primary enclosure, such as a compartment, transport cage, carton, or crate, used to transport an animal in commerce must be adequately ventilated. [3.14, 3.36, 3.61, 3.87, 3.113, 3.137]</p>																			
<p><b>Criteria</b></p>	<p><b>For transport enclosures permanently affixed</b> to the primary conveyance with the front opening as the only source of ventilation, the enclosure ventilation area must:</p> <ul style="list-style-type: none"> <li>• be positioned to prevent blockage of front opening</li> <li>• open directly to an unobstructed aisle way or passageway inside the conveyance</li> <li>• be at least 90% of the total surface area</li> <li>• be covered with bars, wire mesh, or smooth expanded metal having air space</li> </ul>																			
<p><b>Species Specific</b></p>	<p><b>Dogs &amp; Cats</b> <b>Transport enclosures that are removable</b> from the primary conveyance, such as crates, cartons, or cages, must have walls with ventilation openings that meet the following requirements: [3.14(c)]</p> <table border="1"> <thead> <tr> <th>Number of ventilated walls</th> <th>Position of the walls</th> <th>Required ventilation area</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>front</td> <td>90%</td> </tr> <tr> <td>2</td> <td>opposing walls</td> <td>16% of each wall</td> </tr> <tr> <td rowspan="2">3</td> <td>2 opposing walls</td> <td>8% of total surface area of the two opposing walls</td> </tr> <tr> <td>3<sup>rd</sup> wall</td> <td>50% of the 3<sup>rd</sup> wall</td> </tr> <tr> <td>4</td> <td>4 opposing</td> <td>8% of each wall</td> </tr> </tbody> </table> <p>The ventilated surface area must:</p> <ul style="list-style-type: none"> <li>• be 14% of the total combined surface area of all the</li> </ul>			Number of ventilated walls	Position of the walls	Required ventilation area	1	front	90%	2	opposing walls	16% of each wall	3	2 opposing walls	8% of total surface area of the two opposing walls	3 <sup>rd</sup> wall	50% of the 3 <sup>rd</sup> wall	4	4 opposing	8% of each wall
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walls for the whole enclosure, and [3.14(c)(1)]

- have at least    of the total ventilation area located on the upper ½ of the enclosure [3.14(c)(1)(iv)]

Each wall with a ventilation opening must have a projecting rim to:

- prevent obstruction of openings
- provide a minimum of 0.75" air circulation space between the enclosure and any wall or object

**Guinea Pigs & Hamsters**

**Transport enclosures that are removable** from the primary conveyance, such as crates, cartons, or cages, must have walls with ventilation openings that meet the following requirements: [3.36]

Number of ventilated walls	Position of the walls	Required ventilation area
1	front	90%
2	opposing walls	16% of each wall
4	4 opposing	8% of each wall

The ventilated surface area must have [3.36(a)(5)]

- at least    of the total ventilation area located on the **upper** ½ of the enclosure, and
- at least    of the total ventilation area located on the **lower** ½ of the enclosure

Each wall with a ventilation opening must have a projecting rim to [3.36(a)(6)]

- prevent obstruction of openings
- provide a minimum of 0.75" air circulation space between the enclosure and any wall or object

**Rabbits**

**Transport enclosures that are removable** from the primary conveyance, such as crates, cartons, or cages, must have walls with ventilation openings that meet the following requirements: [3.61]

Number of ventilated walls	Position of the walls	Required ventilation area
1	front	90%
2	opposing walls	16% of each wall
4	4 opposing	8% of each wall

The ventilated surface area must have: [3.61(a)(4)]

- at least    of the total ventilation area located on the **upper** ½ of the enclosure, and
- at least    of the total ventilation area located on the **lower** ½ of the enclosure

Each wall with a ventilation opening must have a projecting rim to: [3.61(a)(5)]

- prevent obstruction of openings
- provide a minimum of 0.75" air circulation space between the enclosure and any wall or object

**Nonhuman Primates**

**Transport enclosures that are removable** from the primary conveyance, such as crates, cartons, or cages, must have walls with ventilation openings that meet the following requirements: [3.87(c)]

Number of ventilated walls	Position of the walls	Required ventilation area	Location of openings
1	front	90%	
2	opposing walls	16% of each	above midline of

		wall	each wall
4	4 opposing	8% of each wall	above midline of each wall

Each wall with a ventilation opening must have a projecting rim to [3.87(c)(2)]

- prevent obstruction of openings
- provide a minimum of 0.75" air circulation space between the enclosure and any wall or object

**Marine Mammals**

*Pinnipeds, Polar Bears, & Sea Otters*

Transport primary enclosures that are removable must have:

- air inlets that: [3.113(a)(8)]
  - are at heights which provide cross ventilation at all levels (particularly when the marine mammal in a prone position)
  - are located on all 4 sides of the enclosure
  - cover not less than 20% of the total surface area of each side of the enclosure
- projecting rims or other spacing devices: [3.113(a)(9)]
  - placed on any ends and sides with ventilation openings
  - provide a minimum air circulation space of 3.0 inches (7.6 cm) between the enclosure and any adjacent cargo/conveyance wall
- sufficient air circulation space to maintain the temperatures required by the transportation standards [3.113(a)(10)]

**Other Animals**

**Transport enclosures that are removable** from the primary conveyance, such as crates, cartons, or cages, must have walls with ventilation openings that meet the following requirements: [3.137(a)(4), 3.137(g)]

Number of ventilated walls	Position of the walls	Required ventilation area

1	front	90%
2	opposing walls	16% of each wall
4	4 opposing	8% of each wall

The ventilation area must: [3.137(a)(4)]

- have at least          of the total ventilation area located on the **upper** ½ of the enclosure, and
- have at least          of the total ventilation area located on the **lower** ½ of the enclosure

Each wall with a ventilation opening must have a projecting rim to:  
[3.137(a)(5)]

- prevent obstruction of openings
- provide a minimum of 0.75" air circulation space between the enclosure and any wall or object