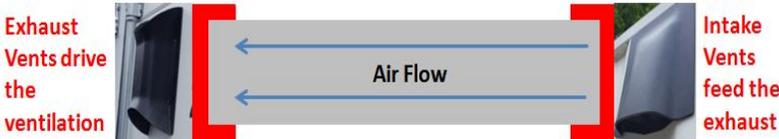


Vent Placement on a Shipping Container

Ventilation System for Heat Extraction and Moisture Control



The Goal is to pull air through one end and exhaust through the other, this insures all the air is replaced equally. To maximize this “Air Exchange”, the vents mounting locations are important. The “**Wall Exhaust**” is the driving force. We have provisions for the Exhaust to be placed anywhere on the container, it’s up to you to find the windiest corner, walls, doors or back. The number of vents will be determined by how much wind and how big the conex is. See “[Exchange Tables](#)”



As the wind travels along a non-streamlined object it speeds up at the end corners as it wraps around. This is why the two ends are typically the best locations, in the **red zones**. This is also where there is most gusts and turbulence, another plus factor.

- If possible mount the “Wall Exhaust” on the sunny side where thermals will be created.
- If multiple Exhaust Vents are required, they must be on the same wall, one profile space between. On the doors, mount on the upper flat panels, between the vertical latching bars.
- If installing on the back or side wall, the correct adapter plate will be required, as pictured below.



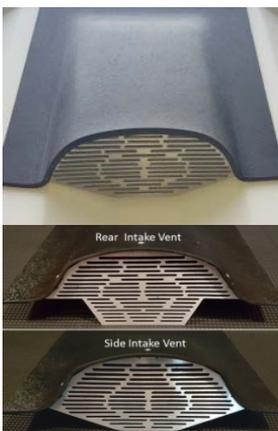
A side wall mounted Exhaust / Adapter Plate

Note the two different wall profiles



Wind Directions: If the wind in your location is unpredictable in direction, or if the container is often being relocated, Exhaust vents could be used at opposite ends. That way one will work as an intake while the other drives the ventilation. If a prevailing wind is typical, the Intake vent below will work well, another easily install.

Intake Vent



- One intake can sufficiently feed 2 Exhaust vents.
- If possible mount on the shady side.
- Determine which wall or end; it’s important when ordering.
- A door mount intake has a 30% smaller screen area.
- Wall profiles are basically all the same but they can be slightly different in size even on the same wall. If it appears a poor fit, try it on the next profile. Avoid the seam welds.

Intakes mount high under the structural cross bar of the conex. This provides for a good water seal and an easy install. In addition, if pests decide on building a nest under it, it will be visible. The exterior wall temperature at the top is only a degree or two different from the bottom, so no disadvantage with the intake up top.

Note: On a door mounted “Wall Exhaust” the door will not be able to be secured to the side wall when fully open. The interior water baffle protrudes almost 5” off the inside of the door, if wall mounted about 3”.

For Installation details see [“Container Ventilation Installations”](#)