

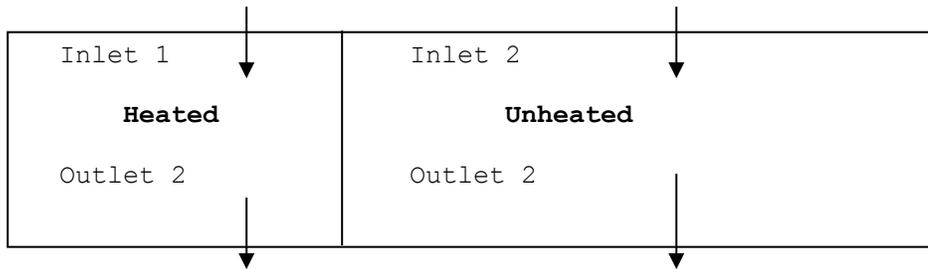
Agrichemical Warehousing Standard Association
WAREHOUSING STANDARDS BULLETIN

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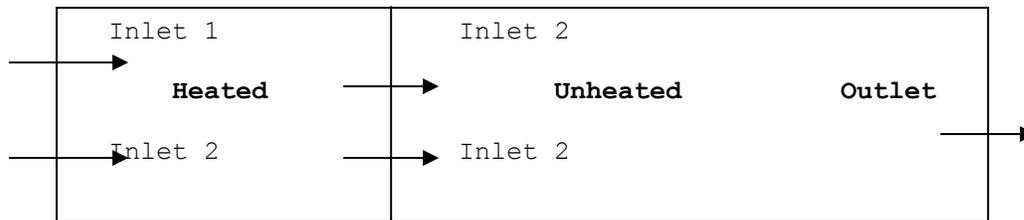
**VENTILATION OPTIONS FOR A
PARTITIONED STORAGE AREA**

Q1. I want to partition off 1/3 of the warehouse for heated storage. This partition is not a fire separation wall but only a partition to contain heat in the heated area. How should I do this? I will be storing flammable and combustible liquids in both areas of the certified warehouse area.



A1. The preferred method is to have two (2) systems. Inlet 1 and 2 and Outlet 1 and 2 will have their pick up points 300 mm (12") off the floor.

Q2. Can I install one system with only one fan in the certified warehouse area when I have it partitioned off (not a fire separation wall) for winter storage?



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- A2.** Yes, one exhaust fan assembly with all inlet and outlet points at 300 mm (12") off the floor should be considered. One inlet, however, is still sufficient.

When employees are in the certified warehouse area during the winter, the system will draw warm air from the heated storage area into the cold unheated area. Note that the openings in the partition wall must not be blocked by pallets to impede air flow. To maintain the efficiency of the total system, maintain a clear access aisle of 1 metre distance on both sides of the partition wall.

Because of the restrictions in the partition wall, the fan assembly should be larger than normally specified. As an alternative, increase the size of the openings in the partition wall.

- Q3** Can I reverse the ventilation system and have the exhaust fan assembly in the heated section?

- A3.** Yes. This method is also acceptable but not the most economical because if:

Employees are working in the unheated area of the certified warehouse area , the fan assembly would be drawing cold air inside.

In the event that the partition wall is required to be a fire rated separation wall, the openings in the fire separation wall must be equipped with a properly rated fire damper.

Note that in the event that the certified warehouse area is separated into more than two sections, a single ventilation system is not acceptable.

Some provincial jurisdictions may also require at least one natural air vent in each warehouse or room. Check with your provincial jurisdiction