WINTECH

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Frequently Asked Questions and Considerations

1) **Why is there a short piece of gasket missing from my doors?**
   The gap in the outer row of gasket on a Negative pressure application door is intentional. It is done to provide "Pressure Equalization" which increases the performance of the door. This gap allows the atmospheric pressure on the outside of the door to "equalize" with the pressure in between the two rows of gasket. The equalized pressure in between the gaskets allows the weep system in the door to drain any water that might pass by the outside row of gasket. This critical design characteristic is a big part of our door performance passing 20" water column of pressure with no leakage. (See the attached downloadable PDF for diagrams)

2) **Can I flip my doors for opposite swing operations?**
3) **Can I use an outswing (Negative) door for an inswing application?**
4) **Can I use an inswing (Positive) door for an outswing application?**
   Wintech doors are designed to be specific for direction and swing. The arrangement of weep hole fabrication and gasket arrangement is important for the proper application and performance of the door.

5) **Why is there condensation on my doors?**
   a) **When condensation is visible, it means that the combination of exterior temperature and exterior humidity, along with the interior temperature has exceeded the door's ability to resist the dew point. In most instances this can be seasonal and will go away with a change in the weather. (See the condensation predictor PDF for a chart showing some scenarios)**
   b) **What can be done to minimize or eliminate condensation?**
      a. **Make sure you provide "thermally broken" frames in applications where cold air will be opposite of warm moist air.**
      b. **Make sure the installation of the door includes proper seals around both the external and internal perimeter of the doors.**
      c. **In extreme cases the addition of fans or heat strips may be needed.**

6) **Considerations for Food Service applications.**
   a) **Wintech standard gasketing on the SD series of doors has been reviewed and accepted by both the NFS and FDA for food service applications.**
   b) **Wintech doors are made with extruded aluminum frames and a large combination of sheet metal skin materials.**
      a. **Standardly, the extruded aluminum framing is provided in mill finish; however, painted frames can be supplied if specified.**
      b. **Wintech stocks 20 gauge and 16 gauge 304-2b and 316-2b stainless steel when required by speicifcation.**
   c) **Interior "wash down" chemicals can be harsh on some door components. Please consider this process when specifying door make up and hardware.**

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7) **Considerations for Duct Work applications.**
   Most "duct work" doors are used in areas where extreme internal and external operating temperatures exist. Please refer to question #5 above to better understand the potentials and considerations for condensation.

8) **"R" value of doors (foam thickness only)**
   Wintech doors are filled with BASF Autofroth®, 2 part expandable polyurethane foam.
   a) **Thermal Properties – K=1.90**
   b) **Density=2.40 lbs/ft^3**
   c) **"R" value = 6.67/ inch thickness**
      a. **2"=13.34**
      b. **3"=20.01**
      c. **4"=26.68**

9) **What is Wintech's Quality Standards?**
   (See attached PDF)

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