



AIR TO AIR HEAT EXCHANGERS

Components are Failing inside electrical enclosures when using Filtered Fan Packages

FACT: Filtered fans introduce dirt and contamination into every electrical enclosure using them.

FACT: Drives and PLCs do not like dirt, dust and contamination.

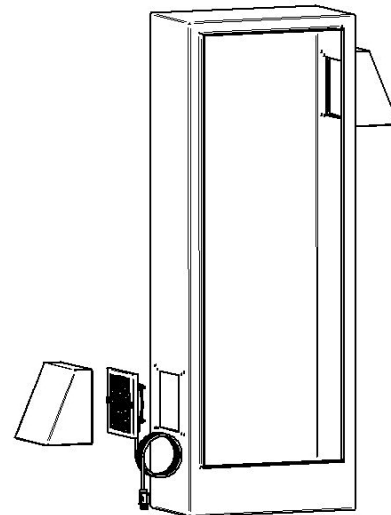
FACT: Filtered fans can never produce a true closed loop cooling solution.

FACT: No matter how effective your filter is, dirt and particulates will enter your enclosure.

Consider a better solution - Air to Air Heat Exchanger

- Always closed loop
- Low cost and maintenance free
- Easier to mount on only one side of your enclosure
- Energy efficient, using no more power than a filtered fan system
- Filter free, so no diminished cooling capacity.
- Air to air heat exchangers are available in NEMA types 12, 4 and 4x

In the image below, a standard installation demonstrates the closed loop condition maintained by the Air to Air Heat Exchanger. Cool air inlet and outlet vents are completely covered by the heat exchanger. This provides NEMA Type 12, 4 or 4X.



In the image above, a standard installation shows where the dirt and particulate will enter the enclosure and be pulled in by the fans on your drives and devices. Filters or not, contamination is invited in by this open loop approach.

We're here to help.

We are happy and qualified to assist you in sizing your application to remove heat issues in your electrical enclosures. Call us today at (972) 964-2700 or (888) 836-7472.

