

## January Troubleshooting Problem

**QUESTION:** After checking the system, what situation was overlooked on the previous service calls, and what do you need to do in order to get this equipment working properly again?

**ANSWER:** In order to get this unit back to full operating capacity, the first issue is that the indoor coil needs to be cleaned. Our illustration shows that the air handler discharge is directly into the supply duct, which means that the squirrel cage fan draws air through the indoor coil. When we removed the access panel to the air handler, we provided an alternate air supply other than the path of airflow that was through the dirty indoor coil and measured an increased airflow with our second test.

The second issue is the overcharged sealed system. To be certain that the system will be correctly charged and that there will be no contaminants, the best course of action is to recover the refrigerant, install a new filter-drier, evacuate to a level of 500 microns, and charge the system by weight according to the manufacturer's specifications.