

REASONS WHY THE OMNI SUPER HINGE COMMERCIAL EXHAUST FAN SYSTEM SHOULD BE INCLUDED IN THE MAINTENANCE PLANS AT RESTAURANTS

Because new mandates (NFPA-96) requiring commercial food processing facilities and all restaurants to install a hinging systems on their roof top ventilators, it has become important for these businesses to find a system that can adapt to their specific needs. Until now, the only hinging systems available were compatible to just a small percentage of existing roof top ventilation systems. The effectiveness of these systems, and in many cases the possibility of installing them at all, is limited by a number of factors including the weight and dimensions of the fan, low grade material and components, which leads to a lack of durability, and a lack of versatility, meaning an inability to adapt to a variety of different situations that may be involved with hinge installation on any given fan.

The objective of the Omni Super Hinge is to be the solution to any challenge that any roof top fan may present. Here are a number of problems and shortcomings associated with most current hinging systems and how the Omni Super Hinge provides the answer.

PROBLEM: Most hinge systems are fastened to the fan by attaching hardware in a very concentrated and limited area on the fan base and duct. This causes a great deal of stress in the affected area, which leads to equipment breakdown and damage to the fan housing.

SOLUTION: The Omni Super Hinge is fastened and clamped over a much larger area of the fan base and duct. This causes stress to be more evenly distributed, which protects the fan housing and prolongs the life of the hinge system.

PROBLEM: Current hinge systems can be installed only on “ideal” fans, meaning fans that have a configuration that matches up with those of the hinge system – a small percentage of the fans in use today – and can’t be modified to adapt to other fans.

SOLUTION: The standard Omni Super Hinge can be installed on most fans and has a number of custom adjustment capabilities that allow it to be installed on almost all other fan duct combinations.

PROBLEM: Most hinge kits are constructed from thin gauge steel and inadequate hardware. This leads to premature equipment failure and can cause the fan to overextend or even fall off of the duct.

SOLUTION: The Super Hinge is made of heavy grade steel and is powder coated to resist rust. Hardware is made from hardened stainless steel.

PROBLEM: Current hinges use chains, cables, or “stay arms” to prevent fans from falling backwards. These components are the source of a number of problems. First, they have a tendency to fail, especially chains. When they do, the fan can fall backward violently, damaging the fan and posing an injury risk. They must be precisely measured and installed, adding a time consuming factor to the installation process. In addition, they are a major inconvenience and obstruction to workers that clean and service the fan.

SOLUTION: The Omni Super Hinge uses a holding pin to lock the fan in place. It is strong and easy to install, and is completely out of the way of service providers. An additional benefit is that the fan can be locked into position at a 45 degree angle as well as a 90 degree angle, which makes it easier for service personnel to clean and service it.

PROBLEM: Most hinges can’t support the weight of heavier fans.

SOLUTION: The Super Heavy Duty Hinge can handle the weight of fans up to 500 pounds.

