

Captiv Air



Accessories

- Confines the space where fumes are released.
- Allows extraction of fumes across the entire length of the printer directly into the purifier.
- Allows the operator to view the print as it is printing
- Optional infra red dryer, which accelerates drying time.

The most common complaint in operating a large format solvent-based inkjet printer is the amount of fumes produced by the printing process.

Some print shops are in shared areas such as office buildings, light industrial parks and malls where the presence of any solvent odor, dangerous or not, makes fume removal a necessity if the shop were to add solvent inkjet printing capability. In fact, the human nose can detect solvent fumes from inkjet printers at levels of less than 1ppm, while permissible exposure levels are as high as 20 ppm (parts per million). As a manufacturer of air purification systems including room based purifiers, PAT recognizes that attempting to deal with solvent fumes with room scrubbers is not the best approach.

Another alternative is to exhaust air to the outdoors. However this type of activity is frowned upon by regulatory bodies and is costly due to the evacuation of the heated/cooled air. Modifications to HVAC systems can also be very costly. Benefits over "Room Scrubbers" One of the most common responses to considering an air purification system is "Why not just use a room scrubber? It seems cheaper. The use of a room scrubber is a reactive approach. The fumes are reduced after they have been released into the room over a period of time. Due to the variability of room layouts, airflow patterns produced by the air output of the room scrubber are unpredictable. This may cause the fumes to end up in contact with a person, into adjacent rooms, or neighboring businesses before the

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purifier has a chance to deal with it. In addition, these unpredictable airflow patterns may also extend the time required to clean the room air because the fumes do not always take a direct path back to the purifier.

The PAT Captivair System is a proactive approach, preventing the fumes from entering the room in the first place. Consequently, the potential for the dispersion of fumes into adjacent rooms is reduced. Most importantly, the individual in the room benefits from a reduced risk of exposure to the fumes

How the PAT Captivair System Works

The PAT Captivair system confines the space where fumes are released and our patented pending design allows for extraction of the fumes across the entire length of the printer directly into the purifier. The Captivair system allows the operator to view the print as it is printing. Captivair consists of a purifier box containing a user-replaceable charcoal filter, a clear plastic hood with a stand, with all necessary hoses and manifolds to connect to the printer. Another benefit of the PAT Captivair system is that an optional Infrared dryer, which accelerates print drying time.

