

CAPTIVAIR™

captures & adsorbs fumes at source

PRINT ANYWHERE WITH CAPTIVAIR!

Seiko Colorpainter 64/100



Captivair™ with optional IR dryer

~ CAPTIVAIR™ IS THE COMPLETE FUME REDUCTION SYSTEM DESIGNED FOR LARGE FORMAT SOLVENT INKJET PRINTERS.

~ CAPTIVAIR™ ALLOWS YOU TO PRINT IN LOCATIONS PREVIOUSLY CONSIDERED "OFF LIMITS" SUCH AS MALLS, COMMERCIAL OFFICE SPACES AND OTHER LOCATIONS WHERE ODOR AND FUMES ARE NOT TOLERATED OR IMPOSSIBLE TO VENT.

~ CAPTIVAIR™ IS EASY AND CONVENIENT TO USE. THE ROTATING HOOD ALLOWS THE OPERATOR TO SWING IT DOWN FOR EASY PRINT ACCESS, WHILE THE ENTIRE FRAME CAN BE ROLLED AWAY FOR COMPLETE ACCESS.

~ AN OPTIONAL INFRARED DRYER IS AVAILABLE FOR REDUCTION OF OFF-GASSING AND INCREASED PRODUCTION SPEED.

~ **NEW!** INTRODUCING THE INTEGRATED CSI SYSTEM (CARBON SATURATION INDICATOR). AN LED DISPLAY WILL VISUALLY REPRESENT THE ACTUAL USAGE OF THE FILTER. AUDIBLE ALARMS WILL SOUND AT VARIOUS STAGES TO REMIND YOU TO CHANGE YOUR FILTER. NO MORE GUESS WORK.

PAT
we refine air

PAT Technology Systems Inc.
358 Joseph Carrier,
Vaudreuil-Dorion, Quebec
Canada J7V 5V5
Tel.: 1 (450) 424 4663
Toll Free: 888-655-8455
Fax: 450.424.4665
www.pattechnology.com

Visit our website to view the Captivair™ System in action! www.pattechnology.com

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How does it work?

There are three sources of fumes and odor when using a large format solvent inkjet printer.

1. Solvent fumes escaping from the printer's enclosure as inks are jetted onto the media,
2. Ink solvents evaporating into the air as the print passes over the printer's heater platen.
3. Off-gassing or gradual evaporation of the ink solvent as the finished print is exposed to the environment.

Captivair™ captures the fumes at source . . . All three sources.

1. The system includes hoses and custom manifolds to extract solvent fumes from the printer's enclosure.
2. Captivair's unique clear hood design which features Semi-Cyclonic Hood Technology captures solvent fumes along the entire length of the printer's heater platen.
3. Captivair™ is available with an optional infrared dryer to accelerate the drying and evaporation of the residual solvents on the printed media. Because the IR dryer is designed to operate as an integral part the Captivair™ System, the evaporating solvents are captured immediately by the Captivair™ hood.

Captivair's high efficiency air purifier then removes the solvent fumes from the captured air and **re-circulates the cleaned air back into the room**. The purifier is able to do this while consuming about as much energy as a two 100W light bulbs.

How do I know when to replace filters?

CSI System (Carbon Saturation Indicator)

CSI is a unique feature. It is an integrated electronic system which determines the **level of actual saturation** of the activated carbon filter. CSI will alert the operator with alarms when the carbon filter is no longer effective at adsorbing fumes and odors.

CSI is not a timer. Timers cannot determine how much ink has entered the filter since the amount of ink varies greatly from job to job. A time based system can cause you to waste money by prematurely prompting you to change filters. If the purifier is left operating while the printer is idle, the timer will erroneously deduct time from the programmed lifespan of the filter. In addition, timers can also cause the operator to use a filter beyond its usable life. This may cause discomfort, lowered productivity and unsafe work conditions.

Why is it important to consider Captivair's source capture technology over other methods of fume reduction?

Exhausting air from the room by upgrading/modifying existing HVAC systems is complicated, expensive and will significantly increase heating/cooling costs. Given the complexity and costs, upgrading your HVAC system is something you only want to do once! If you're a growing company, predicting your expansion to match HVAC upgrade requirements can be a difficult and risky task. Also, using "Do It Yourself" exhaust fan kits or booster fans to exhaust air from the room may cause ventilation imbalances within your building and may cause other undesired effects such as increasing dust in the room or even sending the fumes into occupied offices. Alternately, you may simply be in a location where exhausting to the outdoors is not possible or very impractical.

Room scrubbers capture fumes only after they have permeated a room. Furthermore, room scrubbers may create unpredictable airflow paths that may actually bring the fumes into contact with equipment operators or disperse them to adjacent rooms and neighboring businesses.

Source capture is the optimal method of fume and odor reduction aside from avoiding chemical solvents entirely.

Choose the proactive approach. Capture fumes before they have a chance to cause you aggravation, loss in productivity and undue exposure to health risks.

Technical Specifications

Purifier Specifications	
Volts:	115 V AC
Hertz:	50/60
Watts:	215 W
Dimensions:	L = 33.11" x W = 22.81" x H = 25.91"

IR Dryer Electrical Data:	
Volts:	120 V
Amps:	9.3-18.2 A*
Watts:	1200-2000 W*

* Depends on length of dryer.



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