

V-PAC[®] PRO

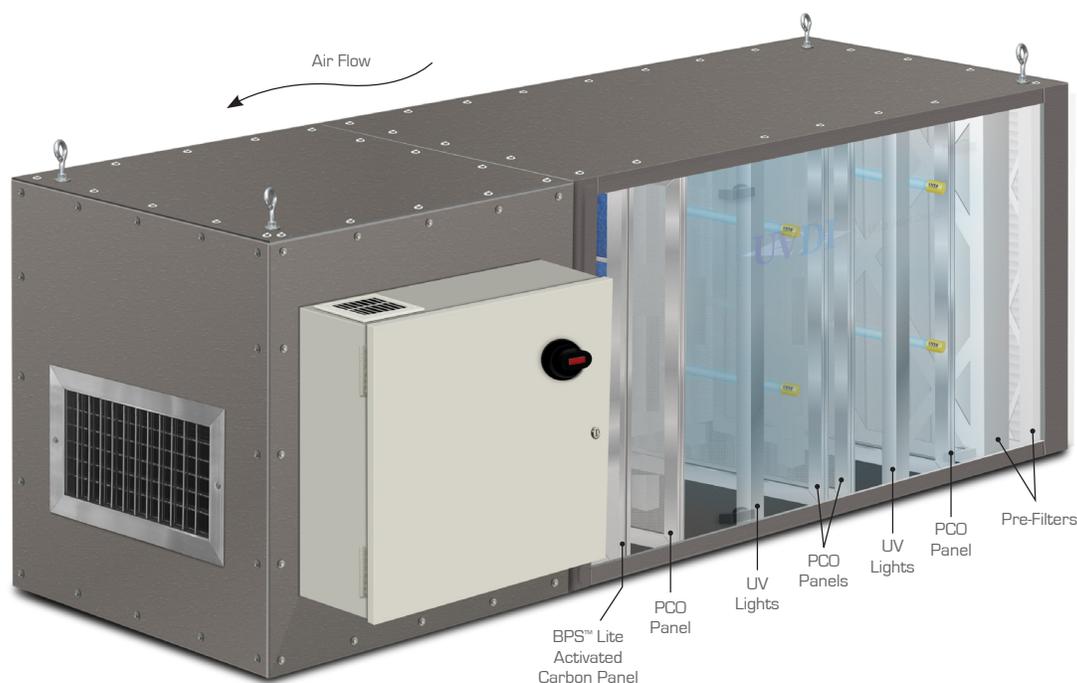
Product Overview



Advanced UV Air Disinfection and Purification

V-PAC[®] PRO provides proven Indoor Air Quality benefits with flexible installation outside of the HVAC system:

- **99.9% elimination of SARS-CoV-2** using proven UVDI V-MAX[™] Technology
- **Air purification** and contaminant removal
- **Reduction of smoke and odors** with advanced PCO technology
- **Continuously increased air flow** for better air movement



99.9% Elimination of SARS-CoV-2 Using Proven UVDI V-MAX[™] Technology

- V-MAX[™] technology has been proven to achieve 99.99% inactivation in a single pass at an airflow rate of 500 feet per minute (0.24 seconds exposure time) in a moving airstream in a modified HVAC test duct
- 254 nm UV-C is designated an effective mitigation strategy by the ASHRAE Epidemic Task Force

Highly Effective Air Purification and Contaminant Removal

Removes air contaminants by combining 254 nm UV-C and TiO₂, creating powerful hydroxyl radicals via a 3-step process.

- 1) UV light illuminates the titanium di-oxide (TiO₂) coated photocatalytic oxidation (PCO) panel, to begin an activation process. See Fig. 1
- 2) The activation generates highly reactive hydroxyl radicals and superoxide ions resulting in a strong chemical “oxidizing” reaction between the supercharged ions and gaseous pollutants such as VOCs and odor molecules.
- 3) This breaks the pollutant down into harmless carbon dioxide and water molecules, making the air more purified.

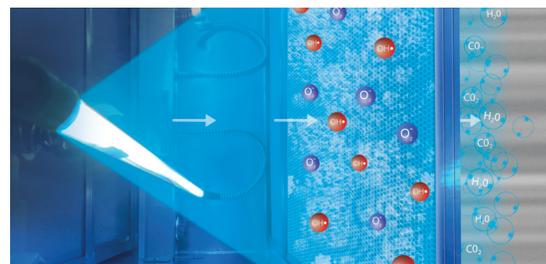


Figure 1

Effectively Reduces Smoke and Odors

- Three stages of filtration - pre-filter, high-efficiency MERV-13 filter and carbon filter - provide a very high level of smoke and odor reduction to help improve the environment for the health and safety of guests and employees.



"Guests have noticed the difference before-and-after we installed it. There is not a lot of cigarette smoke on the gaming floor now, which the non-smokers really appreciate. Now they are playing their favorite games no matter what section they are in."

- Manager-on-Duty
Three Rivers Casino Resort, Florence, Oregon

Environmental-Friendly and Energy-Efficient

- Chemical-free; does not produce ozone
- Reduces energy costs: reduces make-up air requirements for dilution and has low power consumption

Easy Installation and Maintenance

- Self-contained system with a pre-filter
- Flexible installation outside of the existing HVAC system; easy to install inside, either above or below the ceiling
- Can be ducted at supply and return
- Photocatalytic Panels (PCO) and BPS™ Lite Activated Carbon Panels and UV lamps are designed for easy access

Tech Specs

CFM: 2,000 CFM **FPM:** 500

Dimensions: 72.5" W x 29.66" D x 29.2" H

Motor: 2 HP 230/460 /3/60 TEFC 5.0/2.5 FLA

Electrical Requirement: Single point of connection for single phase 230V

Fan Control: UL 508 Control Panel with Variable Frequency Drive (VFD)

Blower: Belt drive forward curve

Standard Purification System: MERV 8 & 13 pre-filter, double "V-PAC[®]" PCO module and a BPS™ Lite post filter

Weight: 306 lbs. less filters

Noise: 67.5 dBA

Installation Options: Preinstalled eyebolts or threaded rod

Air Flow Options: Ducted supply and return, displacement ventilation, return clean air to conditioned space and/or discharge clean air to open plenum

Specs are subject to change without notice.