

CX-PRO WHOLE HOUSE AIR PURIFIER

CX-Pro combines three powerful purification forces into a whole house air purifier that is ozone free. The high-intensity UVC germicidal lamp neutralizes viruses, bacteria and mold. The patented design uses a Photocatalytic Oxidation (PCO) process to neutralize odors and toxic VOCs into benign constituents and an activated carbon adsorption media to trap odors and toxic chemicals. In as little as two hours, the CX-Pro neutralizes 93.6% of airborne germs and 80% of odors and VOCs.

FEATURES & BENEFITS

- High-intensity, UVC germicidal lamp
- Aluminum substrate & carbon media never need replacing
- Easily installs in an HVAC duct system
- Install in supply duct, in return plenum or above AC coil
- Irradiates AC coil of toxic organics and biofilm
- Ozone free
- Pre-wired 120V power cord; 230V option
- 2-year lamp efficiency
- Limited 10-year warranty



1. UVC Germicidal Lamp
 - Neutralizes airborne microbes such as viruses, bacteria & mold
 - Irradiates AC coil of toxic organics and biofilm
2. Catalytic Aluminum Substrate
 - Breaks down VOCs & biologicals with its patented PCO process
3. Activated Carbon Adsorption Media
 - Traps odors & toxic chemicals with its activated carbon surface

MODEL	IN-DUCT DIM. (in.)	SIZING (tons)	PRESSURE DROP (in. wg)	SURFACE AREA (sq. in.)	VOLTAGE (V)	UV RANGE (n.m.)	LAMP (watts)	LAMP INTENSITY ($\mu\text{W}/\text{cm}^2@1\text{m}$)	WEIGHT (lbs)
CX-Pro	17.75	1.5-5.0	0.02	3,500	120/230	254	50	135	3.6

How does the CX-Pro work?

As indoor air circulates through the duct system, it passes through the treatment zone of the CX-Pro. The UVC germicidal lamp neutralizes an organism's DNA, preventing it from replicating. The catalytic aluminum substrate, which is permanently bonded with titanium dioxide, maximizes the exposure of biologicals and toxic gases. The PCO process occurs when the catalyst is excited by the irradiation of UVC light, deactivating microbes and deconstructing molecular bonds. While the carbon adsorption media traps odors and toxic impurities, the PCO process catalyzes impurities and refreshes the carbon adsorption media.

What is PCO (Photocatalytic Oxidation)?

PCO, also known as Photocatalytic Oxidation, is a reaction that occurs when Titanium Dioxide (TiO₂) is exposed to ultraviolet (UVC) light. This process converts harmful and toxic compounds into benign constituents, such as water and carbon dioxide.

