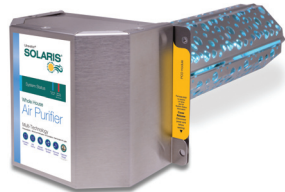

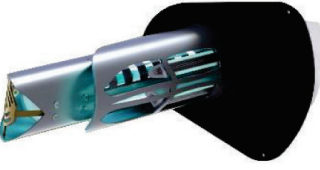


Multi-Technology / Advanced Oxidation

Air Purification

Active PCO TiO₂ + Silver Ion Oxidation / 4XNP Plasma Ionization / Germicidal UV Light

Essential Technology/Feature Comparison for IAQ Effectiveness

Feature/tech			
Base Operation	Active PCO	Passive PCO	Active PCO
Additional technologies	Dual-band UV, bi-polar ionization, UV surface and air disinfection	UV surface and air disinfection	Bi-polar ionization
UV lamp	Dual-band 10"	Single band 12"	Single band 6"
Catalyst surface area	200 sq inches	6 carbon block	26.76 sq inches
Reactor dimension	10.5" x 3.75" x 3.75" twin active layers	13" x 5.5" x 3" gross, 2"x 12.5" x 1" carbon block	11" x 2.625 (round)
Construction	Stainless steel and aluminum	Aluminum	Plastic and aluminum
PCO coating for odor reduction / air stream disinfection	Exclusive patented titanium dioxide/silver (Ag) blend PCO coating. Silver ions reduce pathogens in the air and on surfaces.	Titanium dioxide	Titanium dioxide blend with zinc ion disinfection emission
PCO adjustability	Yes, 4" adjustment range; never blocks or limits UV disinfection	No	Yes, 2" adjustment range also restricts UV disinfection
Electronics / Lamp Monitoring	Electronic lamp operation monitor with end of lamp life notification	None, plastic UV viewport	None
Ionization for particulate reduction and surface disinfection	4 needlepoint electrode negative and positive ion generator (4XNP)	None	2-electrode negative and positive ion generator
Expandability	Yes, unit powers an optional remote UV lamp or additional PCO module	None	None
Warranty	Lifetime, with a 2-year warranty for UV lamp	Lifetime, excluding UV lamp	2-year PCO, 5-year ballast, no warranty on parts that are outsourced.