



SAFEGUARDING INDOOR AIR QUALITY

PATHOGEN CONTROL

Airpura 
AIR PURIFIERS


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THE COSTS OF BAD INDOOR AIR

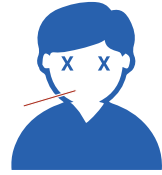
Enclosed spaces, in particular, hospitals and healthcare facilities can be a breeding ground for some of the most harmful airborne pathogens. Patients who are exposed to dangerous germs during their stay (Healthcare-associated infections) can negatively impact patients' lives as well as your organization.



Patient's length of stay can increase



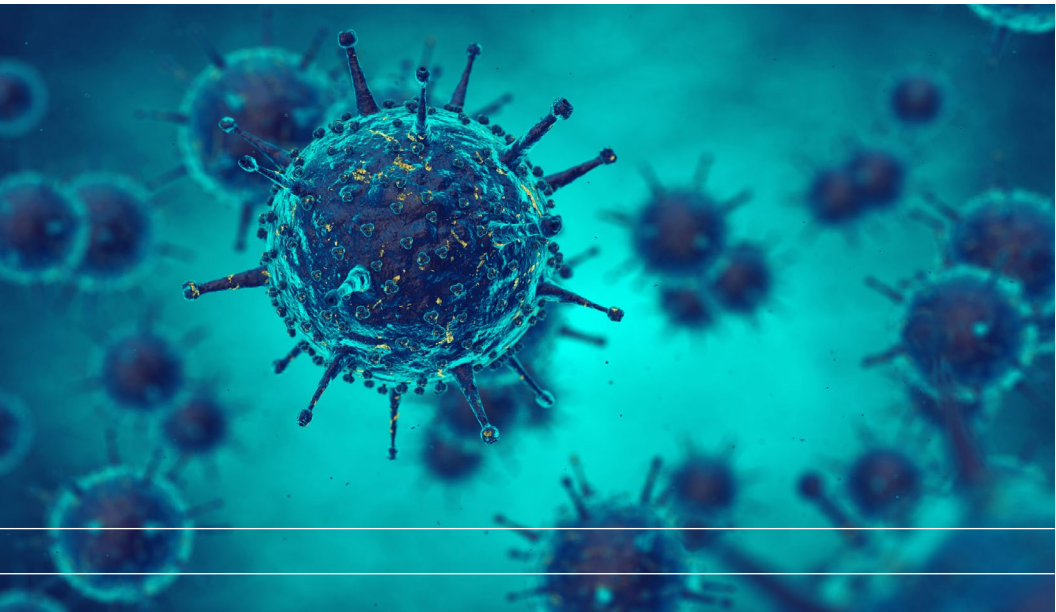
Cost of caring for that patient increases



Absenteeism from sick staff exposed to germs

Keeping indoor air quality in your organization safe is crucial to preventing contamination and infection issues that result from microorganisms and the compromised immune systems of patients.

Airpura's innovative and powerful air filtrations systems are specifically designed to safely address these issues which will protect your patients and staff.





AIRPURA CAN DRASTICALLY REDUCE HARMFUL MICROORGANISMS.

Average removal rate of pathogens, including bacteria, viruses and fungal spores: 99.99 %*

MICRO ORGANISM	UV D90 J/M2	UV KILL RATE %	UV KILL RATE %	DIAMETER MICRONS	HEPA REMOVAL %	TOTAL REMOVAL %
MYCOBACTERIUM TUBERCULOSIS	5	0.4271	100	0.637	100	100
BACILLUS ANTHRAX	85	0.2702	61.68	1.118	100	100
VARIOLA (SMALLPOX)	26	0.088561	95.69	0.224	99.9516	99.9979
BOTULINUM TOXIN	0	0	0.00	1.5	100	100
INFLUENZA A	23	0.10103	30.14	0.098	99.9934	99.9954
SARS VIRUS	7	0.3289	100	0.113	99.9893	100
EBOLA VIRUS	28.4	0.081	94.36	0.09	99.9950	99.9997
YERSINIA PESTIS (PLAGUE)	24	0.095941	96.68	0.7	100	100

*BASED ON DESIGN AIRFLOW OF 85 M³/H.

Airpura UV600

The potent UV light technology of this air purifier comprised of 3 levels of filtrations removes disease-causing viruses, bacteria and mold.

- Powerful HEPA filter captures 99.97 % of airborne particles, as small as 0.3 microns.
- UV germicidal lamp sterilizes microorganisms preventing them from being released back into the air.
- 360° air distribution with room being completely cleaned every few hours.



MOLD SPORES



VIRUSES AND BACTERIA



AIRBORNE CHEMICALS

Airpura P600

Revolutionary filtration system using Airpura's patented TitanClean™ technology developed by NASA.

- Most advanced chemical and VOC filtration system on the market today.
- Powerful TitanClean™ Photocatalytic Oxidizer significantly increases range of dangerous airborne chemicals that can be safely and effectively neutralized.



HOUSEHOLD CHEMICALS



VOCs



AIRBORNE CHEMICALS



ODORS

UV60

TECH SPECIFICATIONS

UV GERMICIDAL LAMP

20 watts.
30,000 um per cm² / sec

CHEMICAL / ODOR CONTROL

8.16 kg activated carbon
33.02cm H x 33.66cm OD x 22.86cm ID

CARBON BED

5.08cm deep x 367.7cm² surface

PARTICLE REMOVAL

3.72 m² true HEPA
(Measured 1 side only)

5 pleats per cm
Pleats warm rolled with separators

AIRFLOW 951 m³/h freeflow

More than any other home unit available

PRE-FILTER

1447 cm² x 2.54 cm

HOUSING

Powder coat steel

SIZE

58.4 cm x 38.1 cm

WEIGHT

20.4 kg total

VOLTAGE OPTIONS

115 or 220 volts

WATTS

120 on high / 40 on low

SOUND LEVEL

28.1 db on low (at 1.8m)
62.3 db on high (951 m³/h)
(Room level 25.1 db)

ETL CERTIFIED

Conforms to CSA C22.2 no
113 ANSI / UL 507

P600

TECH SPECIFICATIONS

TITANCLEAN™

Photocatalytic Oxidization reflector
US patent #29249549
Titanium Dioxide (TiO2) coated
reflector surface

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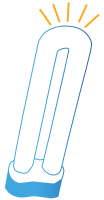
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UV600 AND P600

THE POWER OF UV LAMP AND TITANCLEAN

Two conditions were analyzed, an airflow of 50 cfm and an airflow of 340 cfm. Table 4 summarizes the results for both cases. At 50 cfm the UV Dose is 35.5 J/m² which rates an URV 14. At 340 cfm the UV Dose is 5.22 J/m² which rates an URV 10.

AIRFLOW	50 CFM	340 CFM
IRRADIANCE	95.256 W/M ²	95.256 W/M ²
EXPOSURE TIME	0.372689155 SEC	0.054807229 SEC
UV DOSE INSIDE FILTER CHAMBER	CHAMBER 35.008781 J/M ²	5.220717368 J/M ²
URV	14	10