



UV
FORCE®

Efficient Design

- Air is directed through a horizontal tube and forced within 4 inches of the UV disinfection lamp
- Simply power on the unit and flip the switch to activate the lamp
- One lamp retains maximum effectiveness for 1 year of daily use



Build Quality

- Crafted with the same premium quality as the flagship HEPACART®
- Made of commercial grade aluminum
- Assembled with blind self-sealing rivets
- Looks professional in any environment
- Easy to clean and maintains appearance (no discoloration) through daily cleanings



- Simple operation with integrated controls
- Hour meter



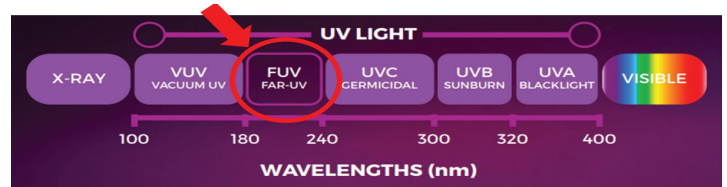
Lenexa, Kansas

Safe and Effective

- Delivers the necessary exposure to inactivate many of the most common pathogens (see reverse side for data)
- Instant-on Far-UVC CARE222 technology begins disinfecting the air with no warm up time
- Delivers the effective dose up to 500 cfm
- Includes final exhaust carbon filter for additional dust filtration and diffusion
- 42-point quality inspection

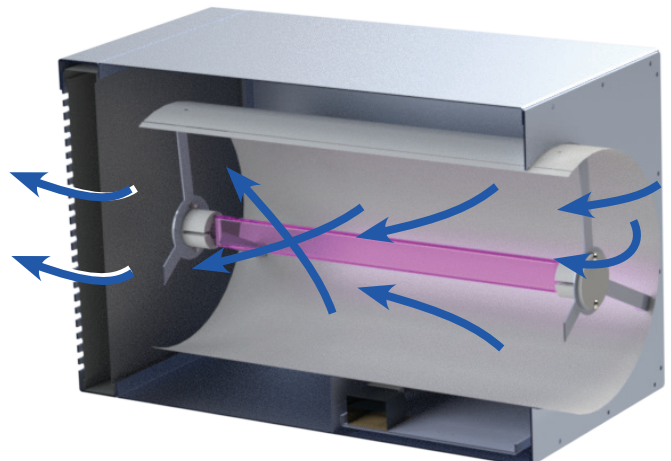
State of the Art

- Includes 18" Far-UVC mercury free lamp with instant-on effectiveness
- Includes one 300-watt power supply
- Lamp effectiveness is not affected by heat/cold nor humidity
- Far-UVC has a photon energy powerful enough to destroy the chemical bonds of pathogens
- Far-UVC is absorbed at higher levels for DNA and other proteins
- Highly effective at a wide variance of temperatures



HOW IT WORKS

1. Filtered air from the negative air machine is pushed through the unit at speeds ≥ 500 cfm
2. Air is funneled into a tube in close proximity along the length of the Far-UVC lamp
3. Treated air is then diffused



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Disinfection and Diffusion

AIR DISINFECTION AND DIFFUSING

SAFE ALTERNATIVE TO VENTING/DUCTING

DUCTZONE

BY HEPACART®

DUCTZONE

Air Disinfection Module



Working Dimensions:

26.35" L x 20.12" W x 16.6"

Working Weight:

40 lbs

Safe and convenient alternative to ducting with single pass inactivation of pathogens



Shown here in-use with HEPAFORCE® AIR 1100

REPLACEMENTS

EXHAUST FILTER

- MERV 8 carbon
- 3 pack

PART#: ADM.201602-C

LAMP

- 18" replacement Far-UVC mercury-free lamp

PART#: FUV-ADMRLMP.US



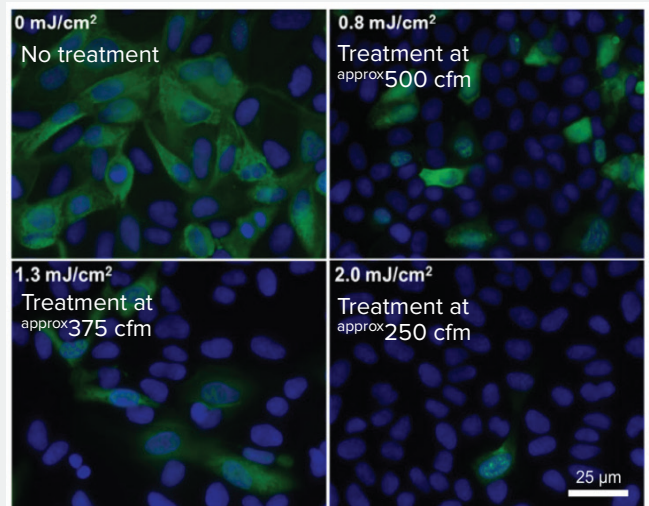
EXPECTED DOSING AND EFFICACY FOR FAR-UVC AIR DISINFECTION WITH DUCTZONE

ANTIVIRAL EFFICACY OF DIFFERENT LOW DOSES OF 222-NM FAR-UVC LIGHT.

Typical fluorescent images of MDCK epithelial cells infected with influenza A virus (H1N1).

The viruses were exposed in aerosolized form in the irradiation chamber to doses of 0, 0.8, 1.3 or 2.0 mJ/cm² of 222-nm far-UVC light. Infected cells fluorescent green (blue=nuclear stain DAPI; green=Alexa Fluor-488 conjugated to anti-influenza A antibody).

Images were acquired with a 40× objective



AIR SPEED AND EFFICACY AT DIFFERENT DOSES OF 222-NM FAR-UVC LIGHT

To estimate effective Far-UVC dosing with the DuctZone Air Disinfection Module, we have measured the lamp intensity as installed and calculated the average dose achieved on the airstream.

This data is then compared with the published data for air disinfection using Far-UV to provide a relative estimate for Far-UV cleaning of the air.

For the DuctZone ADM per exchange at:

- 500 cfm the unit achieves 0.87 mJ/cm²
- 375 cfm the unit achieves 1.26 mJ/cm²
- 250 cfm the unit achieves 1.89 mJ/cm²