

Mars Air Systems offer the **Mars UVC®** and **Mars HEPAC®** sections, designed to minimize the redistribution of airborne pathogens and fine particulates, as well as eliminate unwanted odors in the local space.

We offer three design configurations to address various applications. Each sections are designed to seamlessly integrate with unheated Mars air curtains and are all Proudly Made in the USA.

## UVC Section

### Ultraviolet Air Curtain Section

- ❖ Patented dual bulb design standard (UVC & UVV)
- ❖ UVC Germicidal destroys biological contaminants
- ❖ Sterilize up to 99.99% of airborne bio-contaminants with multiple passes
- ❖ Perfect for test labs, hospitals and small waiting rooms
- ❖ UVV Oxidizing destroys chemicals and odors
- ❖ Destroy ethylene off-gassing, which is a leading cause of premature aging of fruits and vegetables
- ❖ Ideal for food storage/processing facilities, waste areas with noxious gases
- ❖ Low levels of ozone generated
- ❖ UVC only bulb available for no ozone applications
- ❖ Reduces accumulation of pathogens on the exposed surface of the air curtain's internal components and minimizes pathogen redistribution
- ❖ 24VAC Control Circuit Standard
- ❖ LPV2 or STD2 air curtain required with UVC section
- ❖ Maximum operating temperature : 160F
- ❖ Indoor use only
- ❖ 1-year warranty on workmanship and defects
- ❖ Warranty does not cover normal bulb wear
- ❖ Proudly Made in the USA



- ❖ Most viruses, including all SARS-CoV-2, are 0.12 micron as a single virion (unattached to any fluid droplet) but transmission is typically through liquid droplets, which are larger
- ❖ The ULPA option is best suited for hospital environments and rooms with infected patients
- ❖ The HEPA® does not eradicate pathogens, but instead it distributes them through the large filter surface, collects and compacts them in the filter
- ❖ Maintaining a consistent service regiment based on the usage for the pre-filters will increase HEPA® filter life-span and ensure the air curtain performance is not adversely affected
- ❖ Air curtain performance is reduced by 10-15% with clean filters. Motor are set to highest speed from the factory.
- ❖ STD2 air curtain required with HEPAC section
- ❖ Maximum operating temperature is 160 °F
- ❖ Indoor use only
- ❖ 1-year warranty on workmanship and defects
- ❖ Warranty does not cover filters
- ❖ Proudly Made in the USA

## HEPAC Section

### High Efficiency Particulate Arrestance Air Curtain Section

- ❖ HEPA® filters rated 99.99% per ASHRAE (0.3 micron) and meets UL Standard 900 for Flammability
- ❖ HEPA® filter has extended life, up to 3 years, under normal conditions and with regular service
- ❖ 2" pre-filters MERV 7-8 rated (Minimum Efficiency Reporting Value)
- ❖ Optional HEPA® filter, ULPA (Ultra-Low Penetration Air) rated 99.99% of particles 0.12 micron and MERV 13 rated 2" pre-filters for extended usage applications or high particulate



## Clean Air Series Air Wash System for Doorways

### Vertically Mounted Combination UVC and HEPAC Sections

- ❖ Dual sanitizing design that includes HEPAC and UVC combination
- ❖ Vertically mounted dual units includes mounting and framing kit
- ❖ Designed to help disperse debris on surfaces and collect airborne pathogens and debris
- ❖ Can assist in minimizing the introduction of pathogens and debris from cleaner areas
- ❖ Higher usage will require more periodic maintenance and filter and bulb replacement
- ❖ STD2 air curtain required with combination **Mars UVC®** and **Mars HEPAC®** sections
- ❖ Maximum operating temperature is 160 °F
- ❖ Indoor use only
- ❖ 1-year warranty on workmanship and defects
- ❖ Warranty does not cover filters or normal bulb wear
- ❖ Proudly Made in the USA

