

Clean Air Series

(UVC and HEPAC Air Curtain)



atmosphere is everything

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Item No.	Description	Overall Length (in)	Weight (lbs)	Voltage Code & FLA	
				115V/1Ø (A)	208-230V/1Ø (D)
LPV2 Series					
Packaged UV Models					
<input type="checkbox"/> LPV225-1U*-OB-UVP	LPV225, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	25	30	3	1.8
<input type="checkbox"/> LPV236-1U*-OB-UVP	LPV236, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	36	48	3	1.8
<input type="checkbox"/> LPV242-1U*-OB-UVP	LPV242, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	42	53	3	1.8
<input type="checkbox"/> LPV248-1U*-OB-UVP	LPV248, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	48	60	3	1.8
<input type="checkbox"/> LPV260-1U*-OB-UVP	LPV260, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	60	72	3.5	2.3
<input type="checkbox"/> LPV272-1U*-OB-UVP	LPV272, 1Mtr, 1/6HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	72	87	3.8	2.6
STD2 Series					
Packaged UV Models					
<input type="checkbox"/> STD236-1U*-OB-UVP	STD236, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	36	90	5.7	3.1
<input type="checkbox"/> STD242-1U*-OB-UVP	STD242, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	42	98	5.7	3.1
<input type="checkbox"/> STD248-1U*-OB-UVP	STD248, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	48	105	5.7	3.1
<input type="checkbox"/> STD260-2U*-OB-UVP	STD260, 2Mtr, 1/2HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	60	135	11.1	5.9
<input type="checkbox"/> STD272-2U*-OB-UVP	STD272, 2Mtr, 1/2HP, Unhtd, Galv, OB, UVC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	72	180	11.4	6.2
STD2 Series					
Packaged HEPAC Models					
<input type="checkbox"/> STD236-1U*-OB-HCP	STD236, 1Mtr, 1/2HP, Unhtd, Galv, OB, HEPAC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	36	120	5.1	2.5
<input type="checkbox"/> STD242-1U*-OB-HCP	STD242, 1Mtr, 1/2HP, Unhtd, Galv, OB, HEPAC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	42	130	5.1	2.5
<input type="checkbox"/> STD248-1U*-OB-HCP	STD248, 1Mtr, 1/2HP, Unhtd, Galv, OB, HEPAC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	48	140	5.1	2.5
<input type="checkbox"/> STD260-2U*-OB-HCP	STD260, 2Mtr, 1/2HP, Unhtd, Galv, OB, HEPAC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	60	180	10.2	5
<input type="checkbox"/> STD272-2U*-OB-HCP	STD272, 2Mtr, 1/2HP, Unhtd, Galv, OB, HEPAC, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	72	240	10.2	5
STD2 Series					
Packaged UV, HEPAC, and Ionizer Models					
<input type="checkbox"/> STD236-1U*-OB-VHP	STD236, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC/HEPAC/Ionizer, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	36	150	5.7	3.1
<input type="checkbox"/> STD242-1U*-OB-VHP	STD242, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC/HEPAC/Ionizer, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	42	163	5.7	3.1
<input type="checkbox"/> STD248-1U*-OB-VHP	STD248, 1Mtr, 1/2HP, Unhtd, Galv, OB, UVC/HEPAC/Ionizer, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	48	175	5.7	3.1
<input type="checkbox"/> STD260-2U*-OB-VHP	STD260, 2Mtr, 1/2HP, Unhtd, Galv, OB, UVC/HEPAC/Ionizer, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	60	225	11.1	5.9
<input type="checkbox"/> STD272-2U*-OB-VHP	STD272, 2Mtr, 1/2HP, Unhtd, Galv, OB, UVC/HEPAC/Ionizer, 24v Cntrl, 6' Crd & Plg, Mag Sw (99-018)	72	300	11.4	6.2

* - Use corresponding letters in "Electrical Data" column headers to complete the model numbers (consult factory for alternate voltages).

NOTE: for ampacity, multiply FLA x 1.25

Features:

- ❖ Air curtains are ETL-certified to conform to UL 2021 (US) and CSA 22.2 (Canada) standards for indoor use
- ❖ Sleek self-contained one-piece heavy-gauge and corrosion-proof paint lock metal design with fire retardant and rust preventative electrostatic polyurethane powder coating
 - Standard color is Obsidian Black (OB)
- ❖ Top mounted and factory wired junction box with labeled wires for easy field wiring provided (6" to 10" service clearance required on the top for STD2 series)
- ❖ Low voltage (24Vac) control circuit
- ❖ Surface mounted magnetic switch (Part# 99-018) is included
- ❖ 12-month parts warranty
- ❖ Freight included (FOB continental USA)
- ❖ Proudly made in the USA

UVC Package (UVP)

- ❖ Patented dual bulb design standard (UVC & UVV) disinfects the airstream, destroying bacteria, mold, and viruses and reducing unwanted odors
 - Standard sequence of operation
- Door open: fan and UV ON
- Door closed: fan and UV ON
 - Fan speed can be adjusted using factory-installed variable speed switch
- Fan ON/OFF Switch provided for unit to work as regular air curtain (If indoor sanitation is not desired)
 - Door open: Fan and UV ON
 - Door closed: Fan OFF and UV ON
- UV ON/OFF Switch provided to turn UV lamps OFF
 - Door open: Fan ON and UV OFF
- Door closed: Fan and UV OFF
- Master controls to turn fan and UV OFF independent of door position
 - Safety switch to turn fan and UV OFF provided for service
- ❖ UVC Germicidal destroys biological contaminants
 - Sterilizes up to 99.99% of airborne bio-contaminants with multiple passes
 - Perfect for test labs, hospitals, and crowded waiting rooms
 - Reduces accumulation of pathogens on exposed surfaces of air curtain's internal components and minimizes pathogen redistribution
- ❖ UVV Oxidizing destroys chemicals and odors
 - Destroys ethylene produced by off-gassing, a leading cause of premature aging of fruits and vegetables
 - Ideal for food storage/processing facilities, waste areas, kitchens, and bathrooms with noxious gases
 - Low levels of ozone generated

HEPAC Package (HCP)

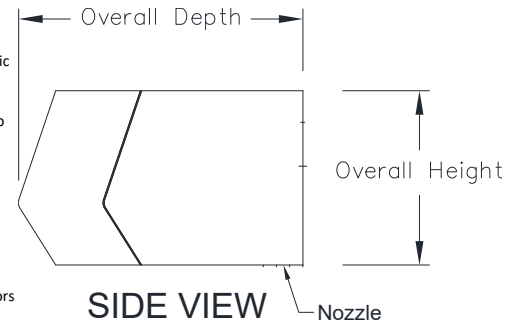
- ❖ HEPA® filters rated 99.99% per ASHRAE (0.3 micron) and meets UL Standard 900 for Flammability
- ❖ Includes 2" pre-filters, MERV 7-8 rated (Minimum Efficiency Reporting Value)
- ❖ Air curtain performance is reduced by 10-15% with clean filters. Motor are set to highest speed from the factory.

Combo Package (VHP)

- ❖ Package Includes UV, HEPA, and Ionizer
- ❖ Fully factory assembled and wired

Mars Recommended Accessories (see catalog for complete listing):

- ❖ **Factory Mounted Control Options**
 - INS-TD, Adjustable time delay (1 sec to 17 min)
- ❖ **Brackets** (shipped loose)
 - B0004, Adjustable mounting bracket set, 3 1/2" clearance
 - B0005, Adjustable mounting bracket set, 7"-13" clearance



Air Curtain Series	Option	Overall Height (in)	Overall Depth (in)
LPV2	UVP	8	12 1/2
STD2	UVP	10 1/2	18 1/2
STD2	HCP	10 1/2	21 1/2
STD2	VHP	10 1/2	27

Room Size (W x L x H)	Minutes Required for Air Sanitation with UV Package*					
LPV2 Series	LPV225	LPV236	LPV242	LPV248	LPV260	LPV272
10' x 10' x 8'	20	14	12	11	9	7
15' x 15' x 8'	46	32	27	24	19	16
STD2 Series	-	STD236	STD242	STD248	STD260	STD272
10' x 10' x 8'	-	9	9	9	5	5
15' x 15' x 8'	-	21	20	20	11	10

*NOTE: test conducted in an enclosed, airtight chamber. Sanitation time may be longer for open space, or when doors/windows are opened.



Intertek
Air Curtain only for HCP and VHP options

NOTE: Mars Air Systems, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, or replacements for previously purchased equipment.