

Clean Air Series

(UVC and HEPAC Air Curtain)



atmosphere is everything

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Clean Air Series Data Sheet

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

* - Use corresponding letters in "Electrical Data" columns to complete the model numbers. (A: 115v/1Ø; D: 208/230v/1Ø). Contact factory for additional voltages.

Note: For ampacity, multiply FLA X 1.25

Features:

- ❖ UVC and HEPAC packaged air curtain are ETL certified
- ❖ 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)
- ❖ Includes surface mounted magnetic switch (99-018)
- ❖ Cabinet is a self-contained one-piece corrosion resistant paint lock and powder coated Obsidian Black
- ❖ Low voltage (24Vac) control option standard
- ❖ Indoor use only (NEMA 1 location)
- ❖ 1-year parts only warranty against workmanship and defects
- ❖ Freight allowed in Continental US
- ❖ Proudly Made in the USA

UVC Package (UVP)

- ❖ Patented dual bulb design standard (UVC & UVV)
- ❖ Patented UV process deodorizes and disinfects the airstream, destroying bacteria, mold, viruses and reduces 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
 - Sterilize up to 99.99% of airborne bio-contaminants with multiple passes
 - Perfect for test labs, hospitals, and small waiting rooms
 - Reduces accumulation of pathogens on the exposed surface of the air curtain's internal components and minimizes pathogen redistribution
- ❖ 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, kitchens, and bathrooms with noxious gases
 - Low levels of ozone generated
- ❖ Available only for LPV2 or STD2 unheated models

HEPAC Package (HCP)

- ❖ HEPA® filters rated 99.99% per ASHRAE (0.3 micron) and meets UL Standard 900 for Flammability
- ❖ 2" pre-filters MERV (Minimum Efficiency Reporting Value) 7-8 rated standard
- ❖ Air curtain performance is reduced by 10-15% with clean filters. Motor are set to highest speed from the factory.
- ❖ Available only for STD2 unheated models

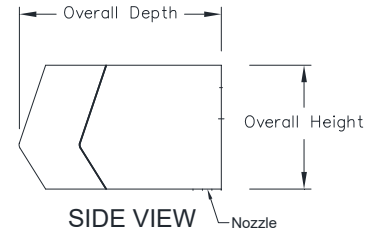
COMBO Package (VHP)

- ❖ Package Includes UV, HEPA filter and Ionizer
- ❖ Fully factory assembled and wired
- ❖ Available only for STD2 unheated models

Mars Recommended Accessories (See Submittals for additional details):

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

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.



Air Curtain Series	Option	Overall Height (in)	Overall Depth (in)
LPV2	UVP	8	12 1/2
STD2	UVP	10 5/8	18 1/8
STD2	HCP	10 5/8	21 1/2
STD2	VHP	10 5/8	27

Room Size (W x L x H)	Cycle Time (min) 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 air tight chamber. Sanitation time may be longer when doors/windows are opened and for open spaces.



Intertek

Air Curtain with UV Option
Air Curtain Only for HEPA & Combo VHP