

Filtration & Indoor Air Quality Catalog

2024

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MERV 10 Pleated Filters from

Glasfloss Z-Line® Series Pleated Filters employ fibers which do not absorb moisture and will not support microbial growth. These filters feature:

- 100% synthetic fiber extended-surface pleated media
- Heavy-duty expanded metal reinforcement on air-exit side
- Heavy-duty moisture-resistant beverage board frames
- MERV 10 rating per the ANSI/ASHRAE 52.2 Test Standard

1" MERV 10 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-10101-M10	10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	0.20	12
FIL-10201-M10	10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-10241-M10	10 x 24 x 1	9-1/2 x 23-1/2 x 7/8	300	0.20	12
FIL-10281-M10	10 x 28 x 1	9-7/8 x 27-7/8 x 7/8	300	0.20	12
FIL-10301-M10	10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-12121-M10	12 x 12 x 1	11-1/2 x 11-1/2 x 7/8	300	0.20	12
FIL-12201-M10	12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-12241-M10	12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	0.20	12
FIL-12251-M10	12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	0.20	12
FIL-12301-M10	12 x 30 x 1	11-5/8 x 29-1/2 x 7/8	300	0.20	12
FIL-12361-M10	12 x 36 x 1	11-7/8 x 36-7/8 x 7/8	300	0.20	12
FIL-14141-M10	14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	0.20	12
FIL-14201-M10	14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-14221-M10	14 x 22 x 1	13-1/2 x 21-7/8 x 7/8	300	0.20	12
FIL-14241-M10	14 x 24 x 1	13-1/2 x 23-1/2 x 7/8	300	0.20	12
FIL-14251-M10	14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	0.20	12
FIL-14281-M10	14 x 28 x 1	13-1/2 x 27-7/8 x 7/8	300	0.20	12
FIL-14301-M10	14 x 30 x 1	13-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-14351-M10	14 x 35 x 1	13-1/2 x 34-7/8 x 7/8	300	0.20	12
FIL-15201-M10	15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-16161-M10	16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	0.20	12
FIL-16201-M10	16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-16241-M10	16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	0.20	12
FIL-16251-M10	16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	0.20	12
FIL-16301-M10	16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-16361-M10	16 x 36 x 1	15-1/2 x 35-7/8 x 7/8	300	0.20	12
FIL-18181-M10	18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	0.20	12
FIL-18201-M10	18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-18241-M10	18 x 24 x 1	17-1/2 x 23-1/2 x 7/8	300	0.20	12
FIL-18251-M10	18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	0.20	12
FIL-18301-M10	18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-18361-M10	18 x 36 x 1	17-1/2 x 35-7/8 x 7/8	300	0.20	12
FIL-20201-M10	20 x 20 x 1	19-1/2 x 19-1/2 x 7/8	300	0.20	12
FIL-20221-M10	20 x 22 x 1	19-1/2 x 21-7/8 x 7/8	300	0.20	12
FIL-20231-M10	20 x 23 x 1	19-1/2 x 22-7/8 x 7/8	300	0.20	12
FIL-20241-M10	20 x 24 x 1	19-3/8 x 23-3/8 x 7/8	300	0.20	12
FIL-20251-M10	20 x 25 x 1	19-1/2 x 24-1/2 x 7/8	300	0.20	12
FIL-20301-M10	20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-22221-M10	22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	0.20	12
FIL-24241-M10	24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	0.20	12
FIL-24301-M10	24 x 30 x 1	23-5/8 x 29-5/8 x 7/8	300	0.20	12
FIL-25251-M10	25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	0.20	12



Nominal vs. Actual Size

The nominal size of the filter is the listed & printed size on the side of the filter. It is rounded up to the nearest inch from the actual filter size. The actual filter size is usually 1/4" to 3/4" smaller than the nominal size. This allows the filter to fit comfortably in the rack.

Exact Cut Filters

Don't see the size filter you need? Hunton Distribution can provide filters sized exactly to your specifications. Filters can be made in fractional increments of as little as 1/16". Contact your HD representative with the exact height and width dimensions you need.

Inches	Decimals	Order Key	Inches	Decimals	Order Key
1/16"	0.0625	A	9/16"	0.5625	J
1/8"	0.125	B	5/8"	0.625	K
3/16"	0.1875	C	11/16"	0.6875	L
1/4"	0.25	D	3/4"	0.75	M
5/16"	0.3125	E	13/16"	0.8125	N
3/8"	0.375	F	7/8"	0.875	P
7/16"	0.4375	G	15/16"	0.9375	R
1/2"	0.5	H			

Example: 16-1/2" x 27-3/4" x 1 = FIL-16H27M1-M10-EX

MERV 10 Pleated Filters

2" MERV 10 Nominal Sized Filters



Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-10102-M10	10 x 10 x 2	9-3/4 x 9-3/4 x 1-3/4	500	0.29	12
FIL-10202-M10	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-12122-M10	12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4	500	0.29	12
FIL-12202-M10	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-12242-M10	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	0.29	12
FIL-14202-M10	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-14242-M10	14 x 24 x 2	13-7/8 x 23-1/2 x 1-3/4	500	0.29	12
FIL-14252-M10	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	0.29	12
FIL-15202-M10	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-16162-M10	16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	0.29	12
FIL-16202-M10	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-16242-M10	16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	0.29	12
FIL-16252-M10	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	0.29	12
FIL-16302-M10	16 x 30 x 2	15-7/8 x 29-5/8 x 1-3/4	500	0.29	12
FIL-16342-M10	16 x 34 x 2	15-1/2 x 33-7/8 x 1-3/4	500	0.29	12
FIL-18182-M10	18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	0.29	12
FIL-18202-M10	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-18222-M10	18 x 22 x 2	17-1/2 x 21-7/8 x 1-3/4	500	0.29	12
FIL-18242-M10	18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	0.29	12
FIL-18252-M10	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	0.29	12
FIL-20202-M10	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	0.29	12
FIL-20242-M10	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	0.29	12
FIL-20252-M10	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	0.29	12
FIL-20302-M10	20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	0.29	12
FIL-20352-M10	20 x 35 x 2	19-1/2 x 35-7/8 x 1-3/4	500	0.29	12
FIL-24242-M10	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	0.29	12
FIL-25252-M10	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	0.29	12



4" MERV 10 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-12244-M10	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	0.24	6
FIL-16204-M10	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	0.24	6
FIL-16244-M10	16 x 24 x 4	15-1/2 x 23-1/2 x 3-3/4	500	0.24	6
FIL-16254-M10	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	0.24	6
FIL-18244-M10	18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	0.24	6
FIL-20204-M10	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	0.24	6
FIL-20244-M10	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	0.24	6
FIL-20254-M10	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	0.24	6
FIL-24244-M10	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	0.24	6



6" MERV 10 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-12246-M10	12 x 24 x 6	11-3/8 x 23-3/8 x 5-3/4	500	0.18	4
FIL-16206-M10	16 x 20 x 6	15-1/2 x 19-1/2 x 5-3/4	500	0.18	4
FIL-16256-M10	16 x 25 x 6	15-1/2 x 24-1/2 x 5-3/4	500	0.18	4
FIL-18246-M10	18 x 24 x 6	17-1/2 x 23-1/2 x 5-3/4	500	0.18	4
FIL-20206-M10	20 x 20 x 6	19-1/2 x 19-1/2 x 5-3/4	500	0.18	4
FIL-20246-M10	20 x 24 x 6	19-3/8 x 23-3/8 x 5-3/4	500	0.18	4
FIL-20256-M10	20 x 25 x 6	19-1/2 x 24-1/2 x 5-3/4	500	0.18	4
FIL-24246-M10	24 x 24 x 6	23-3/8 x 23-3/8 x 5-3/4	500	0.18	4

MERV 13 Pleated Filters

Glasfloss Z-Line® MR-13 Series Pleated Filters feature the latest in media technology to achieve MERV 13 while maintaining low pressure drop and good service life. The new Z-Line Series MR-13 pleat is optimized for "LEED" compliance, and provides a cost-effective upgrade from lower efficiency pleated filters for a variety of commercial and industrial applications.

- Electrostatically-charged 100% synthetic media
- Heavy-duty moisture-resistant beverage board frames
- Standard Size 4" filters Incorporate media separators
- Expanded metal reinforcement on air-exit side
- MERV 13 per ANSI/ASHRAE 52.2 Test Standard



1" MERV 13 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D
FIL-10101-M13	10 x 10 x 1	9-1/2 x 9-1/2 x 7/8
FIL-10201-M13	10 x 20 x 1	9-1/2 x 19-1/2 x 7/8
FIL-10241-M13	10 x 24 x 1	9-1/2 x 23-3/8 x 7/8
FIL-10301-M13	10 x 30 x 1	9-5/8 x 29-5/8 x 7/8
FIL-12121-M13	12 x 12 x 1	11-1/2 x 11-1/2 x 7/8
FIL-12201-M13	12 x 20 x 1	11-1/2 x 19-1/2 x 7/8
FIL-12241-M13	12 x 24 x 1	11-3/8 x 23-3/8 x 7/8
FIL-12251-M13	12 x 25 x 1	11-1/2 x 24-1/2 x 7/8
FIL-12301-M13	12 x 30 x 1	11-5/8 x 29-1/2 x 7/8
FIL-14141-M13	14 x 14 x 1	13-1/2 x 13-1/2 x 7/8
FIL-14201-M13	14 x 20 x 1	13-1/2 x 19-1/2 x 7/8
FIL-14241-M13	14 x 24 x 1	13-1/2 x 23-3/8 x 7/8
FIL-14251-M13	14 x 25 x 1	13-1/2 x 24-1/2 x 7/8
FIL-14301-M13	14 x 30 x 1	13-5/8 x 29-5/8 x 7/8
FIL-15201-M13	15 x 20 x 1	14-1/2 x 19-1/2 x 7/8
FIL-16161-M13	16 x 16 x 1	15-1/2 x 15-1/2 x 7/8
FIL-16201-M13	16 x 20 x 1	15-1/2 x 19-1/2 x 7/8

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-16241-M13	16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	0.35	12
FIL-16251-M13	16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	0.35	12
FIL-16301-M13	16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	0.35	12
FIL-18181-M13	18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	0.35	12
FIL-18201-M13	18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	0.35	12
FIL-18241-M13	18 x 24 x 1	17-1/2 x 23-3/8 x 7/8	300	0.35	12
FIL-18251-M13	18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	0.35	12
FIL-18301-M13	18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	0.35	12
FIL-20201-M13	20 x 20 x 1	19-5/8 x 19-5/8 x 7/8	300	0.35	12
FIL-20221-M13	20 x 22 x 1	19-5/8 x 21-1/2 x 7/8	300	0.35	12
FIL-20241-M13	20 x 24 x 1	19-5/8 x 23-3/8 x 7/8	300	0.35	12
FIL-20251-M13	20 x 25 x 1	19-5/8 x 24-1/2 x 7/8	300	0.35	12
FIL-20301-M13	20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	0.35	12
FIL-22221-M13	22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	0.35	12
FIL-24241-M13	24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	0.35	12
FIL-24301-M13	24 x 30 x 1	23-3/8 x 29-5/8 x 7/8	300	0.35	12
FIL-25251-M13	25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	0.35	12

2" MERV 13 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D
FIL-10202-M13	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4
FIL-12122-M13	12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4
FIL-12202-M13	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4
FIL-12242-M13	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4
FIL-14202-M13	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4
FIL-14252-M13	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4
FIL-15202-M13	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4
FIL-16162-M13	16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4
FIL-16202-M13	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4
FIL-16242-M13	16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4
FIL-16252-M13	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-18182-M13	18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	0.39	12
FIL-18202-M13	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	0.39	12
FIL-18242-M13	18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	0.39	12
FIL-18252-M13	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	0.39	12
FIL-20202-M13	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	0.39	12
FIL-20242-M13	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	0.39	12
FIL-20252-M13	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	0.39	12
FIL-20302-M13	20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	0.39	12
FIL-24242-M13	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	0.39	12
FIL-25252-M13	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	0.39	12

4" MERV 13 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D
FIL-12244-M13	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4
FIL-16204-M13	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4
FIL-16254-M13	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4
FIL-18244-M13	18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-20204-M13	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	0.34	6
FIL-20244-M13	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	0.34	6
FIL-20254-M13	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	0.34	6
FIL-24244-M13	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	0.34	6

6" MERV 13 Nominal Sized Filters

Item #	Nominal Size	Actual W x H x D
FIL-12246-M13	12 x 24 x 6	11-3/8 x 23-3/8 x 5-3/4
FIL-16206-M13	16 x 20 x 6	15-1/2 x 19-1/2 x 5-3/4
FIL-16256-M13	16 x 25 x 6	15-1/2 x 24-1/2 x 5-3/4
FIL-18246-M13	18 x 24 x 6	17-1/2 x 23-1/2 x 5-3/4

Item #	Nominal Size	Actual W x H x D	Rated Velocity FPM	Initial Resistance in W.G.	Case Qty.
FIL-20206-M13	20 x 20 x 6	19-1/2 x 19-1/2 x 5-3/4	500	0.32	4
FIL-20246-M13	20 x 24 x 6	19-3/8 x 23-3/8 x 5-3/4	500	0.32	4
FIL-20256-M13	20 x 25 x 6	19-1/2 x 24-1/2 x 5-3/4	500	0.32	4
FIL-24246-M13	24 x 24 x 6	23-3/8 x 23-3/8 x 5-3/4	500	0.32	4

Additional Pre-Filter Solutions

Carbon Filters



The solution to offensive odors associated with indoor air quality is the Z-Line Series Carbotron Pleat. The activated carbon adsorbs odoriferous gas molecules from the air, so clean fresh smelling air remains.

- MERV 8, 100% synthetic media
- Heavy-duty moisture-resistant construction
- Expanded metal backing

Item Nomenclature Example
ZLN202024AC = 20" x 20" x 2"

1" & 2" Disposable Panel Filters

- Fiberglass media
- One-piece craftboard frame
- Double Strut Construction
- Available for special order in many standard 1" & 2" Sizes



Item Nomenclature Example
GDS20201 = 20" x 20" x 1"

Ring Link Panel Filters



Multiple ring panels linked together accommodate front load, side access, and rooftop unit filter housings. They are a convenient and labor-saving alternative to individual filters. They have sufficient division between each ring to allow for cutting and separation.

Individual Nomenclature Example
PLP2436-10 = 24" x 36" x 1" = (2) 24" x 18" links
PLP25100-20 = 25" x 100" x 2" = (4) 25" x 25" links

Master Pack Nomenclature (1" = 24 pack / 2" = 12 pack)
PLP1620-10-24 = 16" x 480" x 1" = (24) 16" x 20" links
PLP2424-20-12 = 24" x 288" x 1" = (12) 24" x 24" links

Ring Panel Filters

- 100% non-woven polyester media thermally sealed around an internal wire frame
- Leaving side has tackifier for enhanced particulate capture
- 1" & 2" styles rated at MERV 8



Item Nomenclature Example
PRP1620-5 = 16" x 20" x 1/2"
PRP1620-10 = 16" x 20" x 1"
PRP1620-20 = 16" x 20" x 2"

Hunton offers a variety of pre-cut pads and bulk media designed for light to heavy dust-loading applications. Standard size pre-cut pads are packaged in a heavy-duty carton that allows quick access and keeps the media clean before installation. Service rolls are available and are packaged in an easy to use cardboard dispenser box.



Media Pads and Bulk Rolls

Media Type & Trade Name	Nominal Thickness	Color	Media Structure	Adhesive
Commercial	1" & 2"	White	Progressive Density Fiberglass	Light
Paint Arrestor	2-1/2"	Green/White	Progressive Density Fiberglass	-
Hi-Pak	3"	Yellow/White	Progressive Density Fiberglass	Heavy
HL-4	1"	White	Non-Woven Polyester	-
HL-8	2"			
125-4P	5/8"	Blue/White	Non-Woven Polyester	Moderate
125-7P	1"			
P5T	1/2"	Green/White	Multi-ply Polyester	Moderate
P10T	1"	Orange/White	Multi-ply Polyester	Moderate
P20T	2"			
Hogs Hair	1"	Blue	Synthetic Fibers	-

Common Poly Pad Sizes

Type & Color	Size	Item Number	Case Qty.
125-7P Blue/White	12" x 24" x 1"	PPD1224-7P	25
	16" x 20" x 1"	PPD1620-7P	25
	16" x 25" x 1"	PPD1625-7P	25
	20" x 20" x 1"	PPD2020-7P	25
	20" x 25" x 1"	PPD2025-7P	25
P20T Orange/White	24" x 24" x 1"	PPD2424-7P	25
	12" x 24" x 2"	PPD1224P20T	25
	16" x 20" x 2"	PPD1620P20T	25
	16" x 25" x 2"	PPD1625P20T	25
	20" x 20" x 2"	PPD2020P20T	25
	20" x 25" x 2"	PPD2025P20T	25
	24" x 24" x 2"	PPD2424P20T	25



Common Poly Roll Sizes

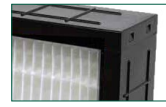
Type & Color	Size	Item Number
125-7P Blue/White	20" x 1" x 90'	PBR20-7P
	25" x 1" x 90'	PBR25-7P
	48" x 1" x 90'	PBR48-7P
	60" x 1" x 90'	PBR60-7P
P20T Orange/White	20" x 2" x 60'	PBR20P20T
	25" x 2" x 60'	PBR25P20T
	48" x 2" x 60'	PBR48P20T
	96" x 2" x 60'	PBR96P20T



Hi-Efficiency Minipleat Filtration

Puracell® II 4" & 6" Plastic Frame

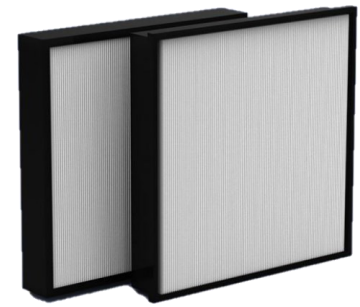
The Glasfloss Puracell II P-S & PH-S is a mini-pleat cartridge encapsulated with a high impact polystyrene plastic frame. An optional gasket can be applied to the filter frame. The cartridge is a pleated 100% synthetic or fiberglass fiber media. The pleats are separated and supported by a uniform glue bead that produces a low initial pressure drop while maximizing the filtration area. The media pack is resistant to moisture and does not support the growth of bacteria and mold. The media pack is thoroughly sealed to the inside of the plastic frame to prevent air bypass.



Box Style



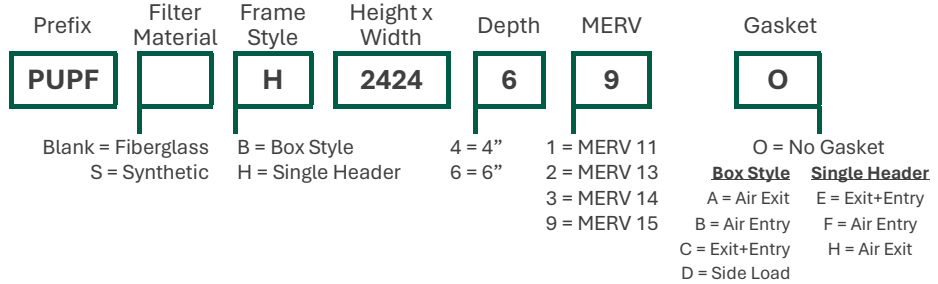
Single Header



MERV Rating	Nominal Size	Actual W x H x D	Rated Velocity FPM	Box Style Item Number	Initial Resistance in W.G.	Single Header Item Number	Initial Resistance in W.G.	Case Qty.
15	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB122449O	0.46	PUPFSH122449O	0.54	3
	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	PUPFSB162049O	0.46	PUPFSH162049O	0.54	3
	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	PUPFSB162549O	0.46	PUPFSH162549O	0.54	3
	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	PUPFSB202049O	0.46	PUPFSH202049O	0.54	3
	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB202449O	0.46	PUPFSH202449O	0.54	3
	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	PUPFSB202549O	0.46	PUPFSH202549O	0.54	3
	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB242449O	0.46	PUPFSH242449O	0.54	3
13	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB122442O	0.44	PUPFSH122442O	0.52	3
	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	PUPFSB162042O	0.44	PUPFSH162042O	0.52	3
	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	PUPFSB162542O	0.44	PUPFSH162542O	0.52	3
	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	PUPFSB202042O	0.44	PUPFSH202042O	0.52	3
	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB202442O	0.44	PUPFSH202442O	0.52	3
	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	PUPFSB202542O	0.44	PUPFSH202542O	0.52	3
	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	PUPFSB242442O	0.44	PUPFSH242442O	0.52	3

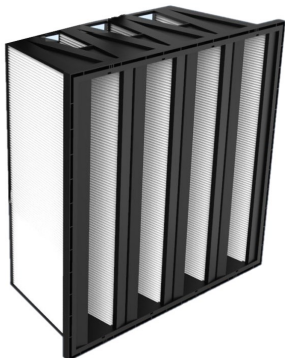
Item Nomenclature Example

PUPFH242469O
 24" x 24" x 6" MERV 15
 Fiberglass Media
 Single-Header Filter
 (No Gaskets)



Puracell® VPX-S 12" Plastic Frame Single-Header / Synthetic Media

The Glasfloss Puracell VP-S plastic frame filters incorporate a lightweight, high-impact polystyrene framework for strength and durability in demanding commercial and industrial applications, and offer high efficiency and extremely low resistance to airflow. When compared to traditional rigid cell and traditional box style filters, the Puracell VP-S minipleat series offer superior performance, lower operating costs and significant energy savings.



Single Header

MERV Rating	Nominal Size	Actual W x H x D	Rated Velocity FPM	Single Header Item Number	Initial Resistance in W.G.
15	12 x 24 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	PUPSH2412B9O	0.29
	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2020B9O	0.29
	20 x 24 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2420B9O	0.29
	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	PUPSH2424B9O	0.29
13	12 x 24 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	PUPSH2412B2O	0.27
	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2020B2O	0.27
	20 x 24 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2420B2O	0.27
	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	PUPSH2424B2O	0.27
11	12 x 24 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	PUPSH2412B1O	0.26
	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2020B1O	0.26
	20 x 24 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	PUPSH2420B1O	0.26
	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	PUPSH2424B1O	0.26

Hi-Efficiency Minipleat Filtration



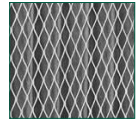
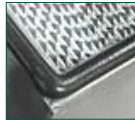
Box Style

Single Header

Double Header

Optional Gasketing

- Air Entry Side
- Air Exit Side
- Air Entry & Exit
- Side Load



Optional Face Guards

- Back Side
- Front Side
- Both Sides

Magna ASHRAE Series Minipleat Filters

Glasfloss Magna Series filters are designed to meet exact specifications in medium to high-efficiency commercial or industrial applications. They are used where a high degree of cleanliness is required and contaminants must be removed to protect life, products or building interiors. The filters are ideal in a variety of applications including hospitals, manufacturing plants, microelectronic component assembly, food processing, gas turbine, centrifugal compressor and high temperature processes.

- Moisture-resistant microfiber media will not support microbial growth
- 26-gauge galvanized metal frame
- Aluminum separators incorporate rolled edges that help prevent media chaffing and damage in handling
- The filter cartridge is secured within the frame using a pressure-fit synthetic media gasket to prevent air-bypass.

MERV Rating	Nominal Size	Actual W x H x D	Initial Resistance in W.G.	Rated Velocity FPM	Box Style Item Number	Single Header Item Number	Double Header Item Number
14	12 x 24 x 12	23-3/8 x 11-3/8 x 11-1/2	0.60	500	MAGGB2412B3OX	MAGGH2412B3OX	MAGGD2412B3OX
	16 x 20 x 12	19-3/8 x 15-3/8 x 11-1/2	0.60	500	MAGGB2016B3OX	MAGGH2016B3OX	MAGGD2016B3OX
	16 x 25 x 12	15-3/8 x 24-3/8 x 11-1/2	0.60	500	MAGGB1625B3OX	MAGGH1625B3OX	MAGGD1625B3OX
	18 x 24 x 12	23-3/8 x 17-3/8 x 11-1/2	0.60	500	MAGGB2418B3OX	MAGGH2418B3OX	MAGGD2418B3OX
	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	0.60	500	MAGGB2020B3OX	MAGGH2020B3OX	MAGGD2020B3OX
	20 x 24 x 12	23-3/8 x 19-3/8 x 11-1/2	0.60	500	MAGGB2420B3OX	MAGGH2420B3OX	MAGGD2420B3OX
	20 x 25 x 12	19-3/8 x 24-3/8 x 11-1/2	0.60	500	MAGGB2025B3OX	MAGGH2025B3OX	MAGGD2025B3OX
	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	0.60	500	MAGGB2424B3OX	MAGGH2424B3OX	MAGGD2424B3OX
13	12 x 24 x 12	23-3/8 x 11-3/8 x 11-1/2	0.55	500	MAGGB2412B2OX	MAGGH2412B2OX	MAGGD2412B2OX
	16 x 20 x 12	19-3/8 x 15-3/8 x 11-1/2	0.55	500	MAGGB2016B2OX	MAGGH2016B2OX	MAGGD2016B2OX
	16 x 25 x 12	15-3/8 x 24-3/8 x 11-1/2	0.55	500	MAGGB1625B2OX	MAGGH1625B2OX	MAGGD1625B2OX
	18 x 24 x 12	23-3/8 x 17-3/8 x 11-1/2	0.55	500	MAGGB2418B2OX	MAGGH2418B2OX	MAGGD2418B2OX
	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	0.55	500	MAGGB2020B2OX	MAGGH2020B2OX	MAGGD2020B2OX
	20 x 24 x 12	23-3/8 x 19-3/8 x 11-1/2	0.55	500	MAGGB2420B2OX	MAGGH2420B2OX	MAGGD2420B2OX
	20 x 25 x 12	19-3/8 x 24-3/8 x 11-1/2	0.55	500	MAGGB2025B2OX	MAGGH2025B2OX	MAGGD2025B2OX
	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	0.55	500	MAGGB2424B2OX	MAGGH2424B2OX	MAGGD2424B2OX
11	12 x 24 x 12	23-3/8 x 11-3/8 x 11-1/2	0.50	500	MAGGB2412B1OX	MAGGH2412B1OX	MAGGD2412B1OX
	16 x 20 x 12	19-3/8 x 15-3/8 x 11-1/2	0.50	500	MAGGB2016B1OX	MAGGH2016B1OX	MAGGD2016B1OX
	16 x 25 x 12	15-3/8 x 24-3/8 x 11-1/2	0.50	500	MAGGB1625B1OX	MAGGH1625B1OX	MAGGD1625B1OX
	18 x 24 x 12	23-3/8 x 17-3/8 x 11-1/2	0.50	500	MAGGB2418B1OX	MAGGH2418B1OX	MAGGD2418B1OX
	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	0.50	500	MAGGB2020B1OX	MAGGH2020B1OX	MAGGD2020B1OX
	20 x 24 x 12	23-3/8 x 19-3/8 x 11-1/2	0.50	500	MAGGB2420B1OX	MAGGH2420B1OX	MAGGD2420B1OX
	20 x 25 x 12	19-3/8 x 24-3/8 x 11-1/2	0.50	500	MAGGB2025B1OX	MAGGH2025B1OX	MAGGD2025B1OX
	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	0.50	500	MAGGB2424B1OX	MAGGH2424B1OX	MAGGD2424B1OX

Item Nomenclature Example

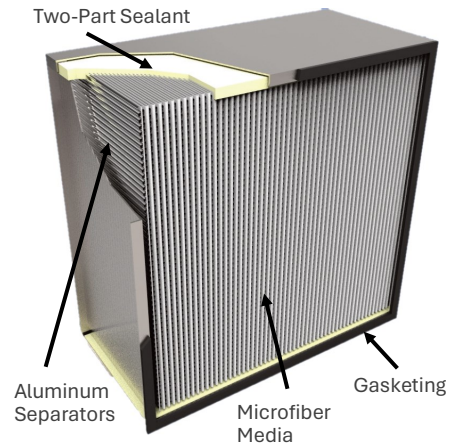
MAGGH2424B3OX = 24" x 24" x 12" MERV 14 Single-Header Standard Capacity Metal Frame Filter (No Gaskets or Face Guards)

Prefix	Frame Material	Frame Style	Height x Width	Depth	MERV	Gasket	Face Guards	Capacity
MAG	G	H	2424	B	3	O	X	
P = Particle Board G = Galv. Steel	B = Box Style H = Single Header D = Double Header	A = 6" B = 12"	1 = MERV 11 2 = MERV 13 3 = MERV 14	A = Air Exit B = Air Entry C = Exit+Entry D = Side Load	E = Exit+Entry F = Air Entry H = Air Exit J = Side Load	K = Exit+Entry M = Air Entry P = Air Exit Q = Side Load	X = None 1 = Back 2 = Front 3 = Both Sides	Blank = Regular H = High Capacity
S = 1 Vertical Side								

HEPA Filtration

Glasfloss Magna Series HEPA grade air filters are designed for high-efficiency commercial and industrial applications. Magna Series efficiency ranges include: 950 Series - 95% (MERV 16), 1000 Series - 99.97%, 1100 Series - 99.99% and 1200 Series - 99.999%, all based on a .30 micron particle. Glasfloss Magna filters are produced in a wide range of sizes, frame types and header combinations.

- Quality Assurance - the Magna HEPA series filter media is randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. In addition, Glasfloss randomly selects and tests filters for leaks under a rigorous quality control program.
- Media produced from glass microfibers is moisture-resistant and will not support microbial growth.
- 99.99% and 99.999% filters are tested for leaks based on near-monodispersed .30 micron size particles.
- Frame is 18 gauge galvanized metal for the 1000 Series - 99.97%, and 1100 Series - 99.99%. A 26-gauge galvanized metal frame is used for the Magna 950 Series - 95% (MERV 16).
- The filter cartridge is bonded within the frame using a two-part sealant that isolates the filter from external shock and prevents air bypass.
- Neoprene closed-cell gasket is standard on each filter.



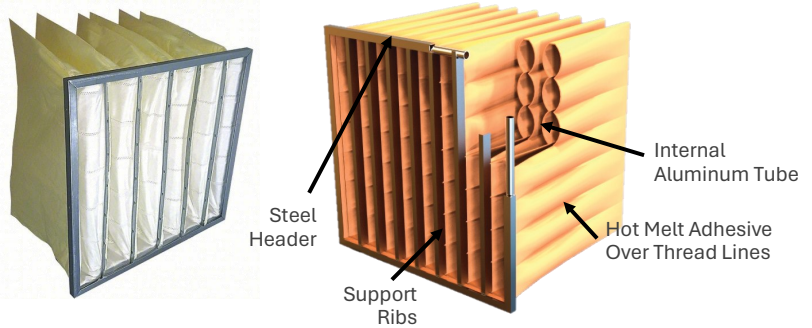
Item Nomenclature Example

MAGGH2424B5A2H = 24" x 24" x 12" 99.97% High Capacity Metal Frame HEPA Filter with Air Exit Gasketing and Front Face Guard

Prefix	Frame Material	Frame Style	Height x Width	Depth	Rating	Gasket	Face Guards	Capacity
MAG	G	H	2424	B	5	A	2	H
P = Particle Board G = Galv. Steel D = Double-Turn Flange (Galv.)	B = Box Style H = Single Header D = Double Header FX = Flush Box	A = 6" B = 12"	4 = MERV 16 5 = 99.97% 6 = 99.99% 7 = 99.999%	Box Style A = Air Exit B = Air Entry C = Exit+Entry D = Side Load	Single Header E = Exit+Entry F = Air Entry H = Air Exit J = Side Load	Double Header K = Exit+Entry M = Air Entry P = Air Exit Q = Side Load	X = None 1 = Back 2 = Front 3 = Both Sides	Blank = Regular L = Low Capacity H = High Capacity S = Super High Capacity

Extended Surface Bag Filters

Glasfloss bag filters features 100% synthetic media or ultrafine fiberglass. They offer excellent value and performance for many industrial dust removal applications. These filters feature an exclusive internal header design which adds strength to the filters and virtually eliminates "racking" during installation. Bag filters are available in most standard and special-size face dimensions in standard and special depths.



Item Nomenclature Example

SBG24242198 = 24" x 24" x 21" MERV 15 with 8 Pockets

Prefix	Width	Height	Pocket Depth	MERV	# of Pockets	Gasket Location	Hanger Loops	Header Style	Exact
SBG	24	24	21	9	8				
SBG = Synthetic PBG = Fiberglass OBG = Oil Mist **			4 = MERV 9 6 = MERV 11 8 = MERV 13 9 = MERV 15			Blank = None A = Air Exit B = Air Entry C = Air Exit + Entry D = Side Load 2 Vertical Sides S = One Vertical Side	Blank = None 1 = One End, Each Pocket 2 = Middle, Each Pocket 3 = Both Ends, Each Pocket OR ** 6" Reinforced Loops on OBG 4 = Both Ends and Middle, Each Pocket 5 = 4" Continuous Loops	Blank = Standard 7/8" CM = Cambridge 1-1/8"	Blank = Standard E = Exact

Hi-Efficiency Rigid Cell Filtration



Glasfloss Z-Pak air filters are designed for medium and high efficiency applications and offer superior service life. The Z-Pak's total rigid construction makes it ideal for variable air volume systems (VAV), where changes in air flow can have an adverse affect on non-rigid type filters. Z-Pak filters are available with fiberglass or synthetic media in four efficiency performance levels: MERV 9 (40-45%), MERV 11 (60-65%), MERV 13 (80-85%) and MERV 14 / 15 (90-95%). The Z-Pak is available in a variety of filter face dimensions with two optional depths.

Item Nomenclature Example

ZPS24241285HO = 24" x 24" x 12" MERV 13 Synthetic Media Filter (No Gasket)

Prefix	Frame Material	Height x Width	Depth	MERV	Frame Style	Gasket
ZP	S	2424	12	85	H	O
	S = Synthetic K = Fiberglass		6 or 12	45 = MERV 9 65 = MERV 11 85 = MERV 13 95 = MERV 14/15	B = Box H = Single Header D = Double Header	O = No Gasket
						Box Style Single Header Double Header
						A = Air Exit E = Exit+Entry K = Exit+Entry B = Air Entry F = Air Entry M = Air Entry C = Exit+Entry H = Air Exit P = Air Exit D = Side Load J = Side Load Q = Side Load

Filter Efficiency Chart



The air filtration needs of a facility can vary depending on the size and type of dust contaminants that need to be removed. The ASHRAE 52.2 standard provides a method for evaluating and classifying different filters for use in general ventilation and dust collection systems.

The ASHRAE 52.2 standard includes procedures for testing a filter's efficiency in removing airborne particles ranging from 0.3 to 10 micrometers. This standard uses a scale called the Minimum Efficiency Reporting Value (MERV), which rates a filter's ability to capture particles on a scale of 1 to 16. A higher MERV rating signifies better filtration performance.

MERV Rating	Dust Spot Efficiency	Typical Controlled Contaminant	Typical Applications and Limitations	Typical Air Filter/Cleaner Type
HEPA	99.999%	< 0.30 pm particle size	Cleanrooms	HEPA Box Filter - Rigid Style Cartridge Filters 6" to 12" Deep Rated At:
	99.99%	Virus (unattached)	Radioactive Materials	≥99.999% Eff. on 0.10 - 0.30 pm
	99.97%	Carbon Dust	Pharmaceutical Manufacturing	≥99.99% Eff. on 0.10 - 0.30 pm >99.97% Eff. on 0.30 pm Particles
16	>95%	0.30 - 1.0 pm Particle Size	General Surgery	
15	>95%	Bacteria	Hospital Inpatient Care	Bag Filter - Fiberglass or Synthetic Media, 12" -36" Deep, 6 -12 Pockets
14	90-95%	Most Tobacco Smoke	Smoking Lounges	Box Filter - Rigid Style Cartridge Filters 2" to 12" Deep
13	89-90%	Proplet Nuceli (Sneeze)	Superior Commercial Buildings	
12	70-75%	1.0 - 3.0 pm Particle Size	Superior Residential	Bag Filter - Fiberglass or Synthetic Media, 12" -36" Deep, 6 -12 Pockets
11	60-65%	Lead Dust	Better Commercial Buildings	Box Filter - Rigid Style Cartridge Filters 2" to 12" Deep
10	50-55%	Milled Flour	Hospital Laboratories	
9	40-45%	Auto Emissions & Welding Fumes		Pleated Filters - Disposable, Extended Surface Area, Cardboard Frame
8	30-35%	3.0 - 10.0 pm Particle Size	Commercial Buildings	Pleated Filters - Disposable, Extended Surface Area, Cardboard Frame
7	25-30%	Hair Spray	Better Residential	Cartridge Filters - Graded Density Cube or Pocket Filters, Synthetic Media
6	<20%	Dusting Aids	Industrial Workplace	
5	<20%	Cement Dust Pudding Mix	Paint Booth Inlet	Throwaway - Disposable Synthetic Panel Filter
4	<20%	>10.0 pm Particle Size		Throwaway - Disposable Fiberglass or Synthetic Panel Filter
3	<20%	Dust & Dust Mites	Minimal Filtration	
2	<20%	Spray Paint Dust	Residential	Washable- Aluminum Mesh
1	<20%	Textile & Carpet Fibers	Window A/C Units	Electrostatic - Self Charging Woven Panel Filter

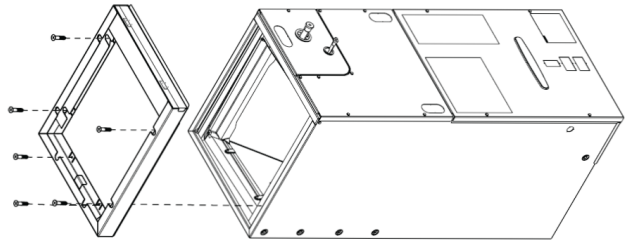
Filter Racks

SlimFit Filter Rack for TEM Series Air Handlers

TEM Series Air Handlers do not have a built-in filter rack. Add a SlimFit rack to provide filtration at the unit.

- Low profile 2" gray 18ga. steel painted frame to match cabinet
- Hinged, fully insulated R-4.2 front door for easy filter replacement
- Easy Installation with only 4 screws and included gasket

Item	Frame Size	Filter Size	Fits TEM Models
BAYSF1185BAA	18.5" x 21" x 2"	18" x 20" x 1"	18 - 31
BAYSF1235BAA	23.5" x 21" x 2"	20" x 23" x 1"	36 - 60



Accommodator Filter Housings

- Spring-hinged door for easy access
- Fully insulated
- Gasketed door ensures tight seal
- Handles 1" or 2" filters

Application	Item	Overall H x W x D	Duct Opening	Filter Size
Air Handlers	ACE1620-3	3.75" x 17.38" x 22"	14.88" x 19"	16" x 20"
	ACE2020-3	3.75" x 21.38" x 22"	17.25" x 19"	20" x 20"
	ACE2025-3	3.75" x 26.38" x 22"	23.88" x 19"	20" x 25"
Furnaces	ACG1425-3	3.75" x 15.38" x 28.5"	12.88" x 26.5"	14" x 25"
	ACG1625-3	3.75" x 17.38" x 28.5"	14.88" x 26.5"	16" x 25"
	ACG2025-3	3.75" x 21.38" x 28.5"	18.88" x 26.5"	20" x 25"



Adjustable Vertical Equipment Stands

Perfect for free draw return air systems where the AHU is in a closet or other conditioned space. Or insulate around the stand for ducted returns. The built-in filter rack holds standard 1" filters.

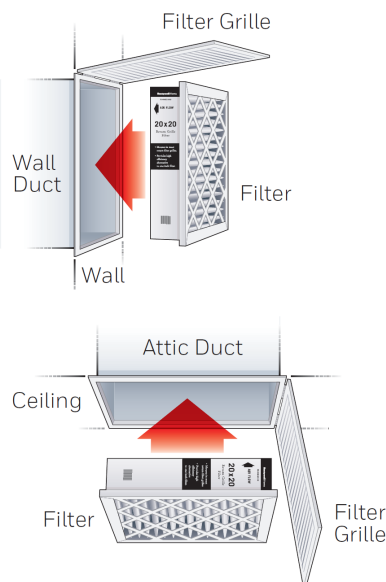
Item #	Size	D	W	H	Material	Max Weight
AHEB1722W	Standard - AHUs	22"	16" - 26"	17.5"	6061-T6 Aluminum	300 lbs.
AHEB1727W	Deep - Furnaces	27"				



High Performance Return Grille Filters

Provides superior air filtration that's up to 10 times more effective than standard one-inch filters. They last up to three times longer than standard one-inch filters, which mean less maintenance for improved indoor air quality.

Size	Part #	MERV Rating	Initial Pressure Drop in W.C.	Case Qty.
12" x 12" x 3"	FC40R1094	MERV 10	0.12	5
12" x 24" x 3"	FC40R1037	MERV 10	0.12	5
14" x 14" x 3"	FC40R1102	MERV 10	0.12	5
14" x 20" x 3"	FC40R1110	MERV 10	0.12	5
14" x 24" x 3"	FC40R1128	MERV 10	0.12	5
14" x 25" x 3"	FC40R1045	MERV 10	0.12	5
14" x 30" x 3"	FC40R1169	MERV 10	0.12	5
16" x 20" x 3"	FC40R1052	MERV 10	0.12	5
16" x 25" x 3"	FC40R1060	MERV 10	0.12	5
18" x 18" x 3"	FC40R1185	MERV 10	0.12	5
18" x 24" x 3"	FC40R1136	MERV 10	0.12	5
18" x 30" x 3"	FC40R1830	MERV 10	0.12	5
20" x 20" x 3"	FC40R1003	MERV 10	0.12	5
20" x 24" x 3"	FC40R1144	MERV 10	0.12	5
20" x 25" x 3"	FC40R1011	MERV 10	0.12	5
20" x 30" x 3"	FC40R1029	MERV 10	0.12	5
24" x 24" x 3"	FC40R1078	MERV 10	0.12	5
24" x 30" x 3"	FC40R1177	MERV 10	0.12	5



Electronic Air Cleaners

Trane CleanEffects® Electronic Air Cleaner

Trane CleanEffects® utilizes patented technology to deliver cleaner air to the whole home by removing up to 99.98% of airborne particles that pass through the re-usable filter. CleanEffects® Whole Home Air Cleaner removes more than 99% of the surrogate for the virus that causes COVID-19 within 30 minutes.



- Outperforms HEPA type filters, and up to 100 times more effective than a standard 1" filter
- Constructed of painted 18 gage metal to protect the filter and internal electronics
- Power door features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning
- Designed for flush fit on both sides and rear of equipment cabinet
- No transitions required on Trane Furnace / AHU applications
- Gaskets included with the air cleaner
- ComfortLink II™ communicating or 24 volt capability
- Certified as asthma & allergy friendly™ by AAFA (Asthma and Allergy Foundation of America)
- Zero ozone emissions

Application	Model Number	Airflow Range (CFM)	Cabinet Size W x D x H	Pressure Drop in W.G.
Air Handler	EFD175DLAH000	300-1,200	17.5" x 21" x 7.5"	0.33 @ 1,200 CFM
	EFD215DLAH000	300-1,200	21.5" x 21" x 7.5"	0.24 @ 1,200 CFM
	EFD235DLAH000	350-1,600	23.5" x 21" x 7.5"	0.35 @ 1,600 CFM



Application	Model Number	Airflow Range	Cabinet Size W x D x H	Pressure Drop in W.G.
Upflow / Side Return Furnace	EFD145DLFR000	300-1,200	14.5" x 27" x 7.5"	0.30 @ 1,200 CFM
	EFD175DLFR000	300-1,600	17.5" x 27" x 7.5"	0.34 @ 1,600 CFM
	EFD210DLFR000	300-2,000	21" x 27" x 7.5"	0.34 @ 2,000 CFM
	EFD245DLFR000	400-2,000	24.5" x 27" x 7.5"	0.26 @ 2,000 CFM

Application	Model Number	Airflow Range	Cabinet Size W x D x H	Pressure Drop in W.G.
Downflow Furnace	EFD17DDLFR000	300-1,600	17.5" x 27" x 7.5"	0.42 @ 1,400 CFM
	EFD21DDLFR000	300-2,000	21" x 27" x 7.5"	0.37 @ 1,600 CFM

Honeywell F300 Whole-House Electronic Air Cleaner

The Honeywell Home F300 Whole-House Electronic Air Cleaner is an advanced and easy-to-use solution for improving indoor air quality. When installed, an Electronic Air Cleaner traps and filters up to 99% of airborne particles passing through the system. It works by placing a charge on airborne particles and then collecting them like a magnet. Plus, Electronic Air Cleaners are low maintenance – simply wash the cells in a dishwasher or sink when needed.



- Large particles (lint, hair) are caught by the prefilter. As the dirty air passes through the intense high voltage electric field surrounding the ionizer wires, all particles are given an electrical charge.
- The air then moves through the collector part of the cell where alternate parallel plates are charged positively and negatively, creating a uniform electrostatic field. The charged particles are attracted to and collect on the plates that have the opposite electrical charge.
- The air then passes through media postfilters, removing additional particles from the air stream. The air leaving the air cleaner has fewer particles. Each time the air circulates through the electronic air cleaner, more particles are removed.

Item #	Nominal Size	Actual W x H x D	Max Current (A) @ 120v	Initial Resistance in W.G.	Replacement Pre Filter	Replacement Post Filter
F300E1019	16" x 25"	16-3/16" x 25-1/2" x 6-3/4"	0.4	0.26	(2) 203371	50000293-002
F300E1027	20" x 20"	20-3/16" x 20-1/2" x 6-3/4"	0.4	0.26	(2) 203373	50000293-003
F300E1035	20" x 25"	20-3/16" x 25-1/2" x 6-3/4"	0.4	0.26	(2) 203372	50000293-004

Media Air Cleaners & Filters

Trane QuikBox™ Media Cabinets

The Trane QuikBox™ Media Cabinet is perfectly sized to match Trane air handler and furnace applications. It provide 5" hi-efficiency MERV 11 filtration in an insulated cabinet.

- 7 perfect fit sizes to match AHU or furnace cabinet dimensions
- 5" depth metal painted cabinet with fully insulated R-4.2 door
- Space saving collapsible "shirt box" style filter design
- Air Tite door with gasketing and quarter turn easy Open Latch
- Cabinet Gasketing included
- Dealer custom labeling available



Application	Model Number	Airflow Range (CFM)	Cabinet Size W x D x H	Pressure Drop in W.G.	MERV 11 Replacement Filters	Filter Case Qty.
Air Handler	EQBFM17DA1AH11	300 - 1,400	17.5" x 21" x 5"	0.35 @ 1,400 CFM	FLRQB5DN17M11	2
	EQBFM185A1AH11	400 - 1,600	18.5" x 21" x 5"	0.28 @ 1,400 CFM	FLRQB5AH18M11	2
	EQBFM215A1AH11	300 - 1,800	21.5" x 21" x 5"	0.35 @ 1,800 CFM	FLRQB5AH21M11	2
	EQBFM235A1AH11	300 - 1,700	23.5" x 21" x 5"	0.28 @ 1,800 CFM	FLRQB5AH23M11	2

Application	Model Number	Airflow Range	Trane CleanEffects™ Furnace Width	Pressure Drop in W.G.	MERV 11 Replacement Filters	Filter Case Qty.
Furnace	EQBFM175A1FR11	300 - 1,500	17.5" x 27" x 5"	0.25 @ 1,400 CFM	FLRQB5FR17M11	2
	EQBFM210A1FR11	300 - 2,000	21" x 27" x 5"	0.23 @ 1,800 CFM	FLRQB5FR21M11	2
	EQBFM245A1FR11	400 - 2,000	24.5" x 27" x 5"	0.17 @ 1,800 CFM	FLRQB5FR24M11	2

Honeywell F100 Media Cabinets

Honeywell Home Media Air Cleaners trap and filter airborne particles and contaminants from the air passing through the duct system helping to ensure cleaner air is distributed throughout the home. Media Air Cleaners capture up to 96% of airborne particles passing through the HVAC system, and maintain high airflow in the heating and cooling system so that it functions at full efficiency.

Model Number	Nominal Size	Cabinet Size W x D x H	MERV 11 Replacement Filters	Filter Case Qty.	Pressure Drop in W.G.
F100F1625/U	16" x 25"	16.19" x 25.44" x 6.75"	FC100A1029	5	0.23 @ 500 FPM / 1.200 CFM
F100F2020/U	20" x 20"	20.19" x 20.44" x 6.75"	FC100A1011	5	
F100F2025/U	20" x 25"	20.19" x 25.44" x 6.75"	FC100A1037	5	0.23 @ 500 FPM / 1.600 CFM
F100F2044/U	25" x 20"	25.19" x 20.44" x 6.75"	FC100A1037	5	



Replacement Media Filters

Trane PerfectFit™ Filters

The OEM replacement filter for the original Trane PerfectFit™ Media Cabinets



Application	Item Number	OEM Filter Number	Size	Fits PerfectFit™ Cabinet	Filter Type	Filter Case Qty.
Air Handler	FLR06072	BAYFTAH21M2	21.5" x 21" x 5"	TFM215B0AH0	Standard Box Style	2
	FLR06073	BAYFTAH23M2	23.5" x 21" x 5"	TFM235B0AH0	Standard Box Style	2
	FLR06074	BAYFTAH26M2	26" x 21" x 5"	TFM260B0AH0	Standard Box Style	2
	FLR07962	BAYFTAHEXM2	Fits All 21" Deep AHU PerfectFit™ Boxes		Expandable	2

Application	Item Number	OEM Number	Size	Fits PerfectFit™ Cabinet	Filter Type	Filter Case Qty.
Furnace	FLR06078	BAYFTFR14M2	14.5" x 27" x 5"	TFM145B0FR0	Standard Box Style	2
	FLR06069	BAYFTFR17M2	17.5" x 27" x 5"	TFM175B0FR0	Standard Box Style	2
	FLR06070	BAYFTFR21M2	21" x 27" x 5"	TFM210B0FR0	Standard Box Style	2
	FLR06071	BAYFTFR24M2	24.5" x 27" x 5"	TFM245B0FR0	Standard Box Style	2
	FLR07963	BAYFTFREXM2	Fits All 27" Deep Furnace PerfectFit™ Boxes		Expandable	2

AprilAire Replacement Filters



Item Number	Size	Initial Pressure Drop in W.C.	Filter Case Qty.	Replaces	Fits	MERV Rating
FC2200A1009	Expandable	0.17	12	AprilAire 201 Filters	AprilAire 2200 & 2250	MERV 10
SGP20256	19-3/4" x 24-1/4" x 6"	0.09	2			
FC2400A1005	Expandable	0.17	12	AprilAire 401 Filters	AprilAire 2400	MERV 10
SGP16276	15-3/8" x 27 x 6"	0.09	2			

The SGP series has gasketing on the assembled filter to prevent air bypass. Each filter is individually wrapped in a plastic sleeve to protect it from contamination before installation.

Trion AirBear and AirCub Replacement Filters



Item Number	Nominal Size	Actual Size	MERV Rating	Initial Pressure Drop in W.C.	Filter Case Qty.
ABP16253	16" x 25" x 3"	15-3/4" x 24-1/4" x 2-7/8"	MERV 10	0.21	5
ABP16255	16" x 25" x 5"	15-3/4" x 24-1/4" x 4-7/8"	MERV 10	0.07	3
ABP20205	20" x 20" x 5"	19-3/4" x 20-3/4" x 4-7/8"	MERV 10	0.07	3
ABP20255	20" x 25" x 3"	19-3/4" x 24-1/4" x 4-7/8"	MERV 10	0.07	3

The ABP series has gasketing on the assembled filter to prevent air bypass. Each filter is individually wrapped in a plastic sleeve to protect it from contamination before installation.

The Solaris® System

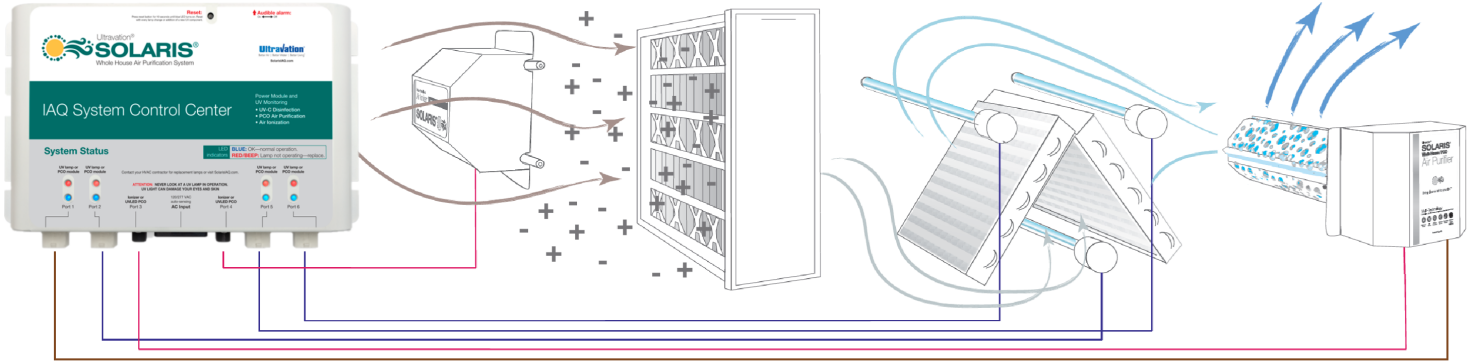
One Central Control for all IAQ Components

The **IAQ System Control Center** allows expandable flexibility with a single, efficient power source for all IAQ components. Each individual component connects to the control center for power and status monitoring of the UV lamps used for disinfection and purification processes.



- **Consistent Power:** No more transformers. The IAQ Control Center operates on a 110v plug, or auto senses up from 120v to 277v. All IAQ components are wired back to the control center for power and monitoring.
- **Command Central:** Includes visual and audible alarms that indicate UV lamp operational status and to remind when replacements are required.

- **Visibility & Serviceability:** Since all IAQ components are connected with remote power leads, the Control Center can be prominently mounted for ease of access.
- **Expandability:** Only installing one IAQ solution? Use the Central Control. When it is time to add more devices, simply "plug and play."



Item #	H x W x D	Power (Auto Sensing)	# of Connections	Features
SLX-POWERPRO-4LV	5.3" x 7.3" x 1.6"	110v Plug or 120v - 277v	(4) 6-Pin & (2) 24v Plug	Performance Indicator & Audible Alarm

Solaris® System Components - Mix & Match

Add UV-C Lights to the Central Control

Ultravation's innovative **T3™ UV-C lamp system** provides up to 40% higher intensity UV-C output without increased energy consumption. The patented T3™ UV lamp is encased in a UV-transparent quartz sleeve. This allows insulating gases to protect the UV lamp from the cold HVAC air.

Item #	Bulb Length	Replacement Bulb	Power	Bulb Life	Warranty
SLX-AAL-12	12"	AS-IH-1001	6-Pin Plug Into Solaris Central Control	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)
SLX-AAL-17	17"	AS-IH-1003			

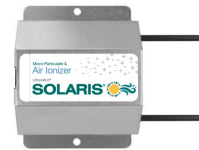


SLX-AAL-17
Includes Shield, Hardware, Magnet, Wiring Pigtail

Add Needlepoint Bi-Polar Ionization

- External adapter plate insures perfect mounting to metal ductwork
- Emitters rotate 90° for mounting externally on ductwork
- Magnets allow for easy surface mounting inside of equipment

Item #	W x H x D	# of Pulse Emitters	Ion Output	Voltage	Mounting Hardware
SLX-PG5T	4" x 4" x 2.75"	2	320 Million Ions / CC	Plugs into the 24v Port on Control Center	Mounting Tabs, Magnet Mount, & External Plate Included



Add PCO Air Purifiers

The **Solaris SLX-AAL-PCO** has a dual-spectrum UV light with bi-polar ionization. It features an industry-leading 200 sq. in. layered PCO catalyst surface area, with PCO adjustability for output strength. Ozone-Free: conforms to UL 867.

The **Solaris SLX-AAL-CAT** captures odors, VOCs and other air pollutants much like the catalytic converter in your car. The photocatalytic process breaks down the complex molecules of odors, VOCs and other toxic pollutants that can be harmful and can trigger respiratory irritation. Ozone-Free: conforms to UL 2998.



SLX-AAL-PCO

Type	Item #	Bulb Length	Bulb Life	Replacement Bulb	Power
Active PCO	SLX-AAL-PCO	10"	Dual Spectrum UV Lamp: 18,000 Hours	AS-IH-1013	6-Pin Plug Into Solaris Central Control
Activated Carbon PCO	SLX-AAL-CAT	12"	T3™ UV Lamp 18,000 Hours	AS-IH-1001	



SLX-AAL-CAT

Bi-Polar Ionization

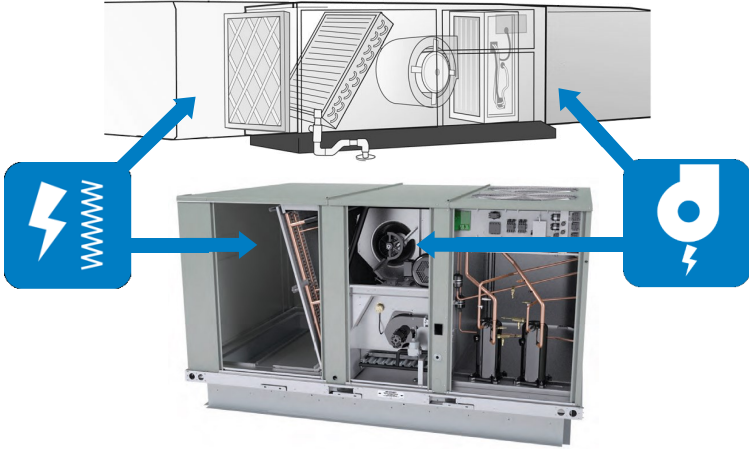
Ionization releases positive and negative ions that electrically charge the components of air contamination.

Ionization removes many of the smallest airborne contaminants (nano-particulates) that would otherwise pass through filtration. These are particles so small and light they remain suspended in air, are able to evade normal breathing defenses, and can enter into the lungs. When installed just prior to an air filter, the ionizer statically charges the particles causing them to gather into large groups - large enough to be captured in the nearby filter.

- The electrical charges cause the molecules of common odors and VOCs to be broken up leaving the air fresh and clean smelling.
- The ions are germicidal - contact with bacteria/viruses in the air and on surfaces can render them inactive, which disinfects the air.

Return Air Applications

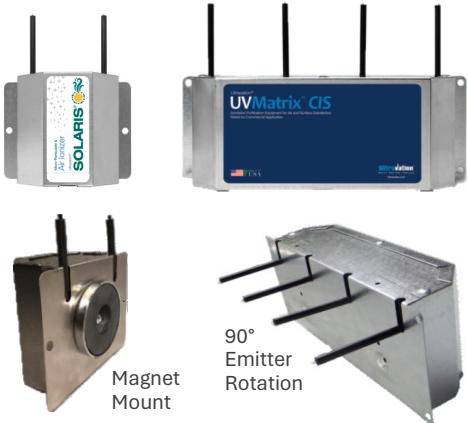
When installed near filtration, the grouped particulates are immediately captured by filter fibers. The ions also prevent microbial growth on the filter.



Supply Air Applications

Installed near the blower, or in the supply ductwork / plenum, the odor and VOC reduction is maximized. This is the best location for air freshening.

Ionization for Small Systems

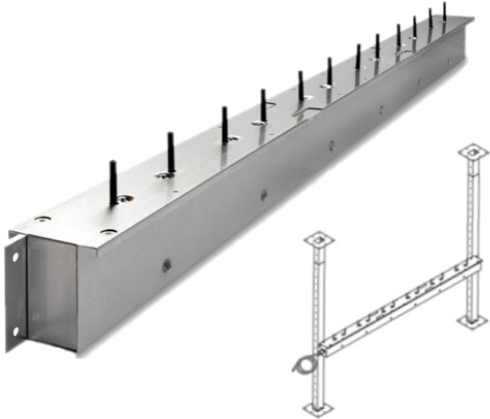


Capacity	Item #	W x H x D	# of Pulse Emitters	Ion Output	Voltage	Mounting Hardware
Up to 6 Tons (2,400 CFM)	SLX-PG5T	4" x 4" x 2.75"	2	320 Million Ions / CC	24v	Mounting Tabs, Magnet Mount, and External Plate Included
7 to 12 Tons (2,800 - 4,800 CFM)	CIS12	4" x 11.5" x 3"	4	640 Million Ions / CC	24v (Includes 40va Transformer)	



- Releases millions of positive and negative ions per second
- External adapter plate insures perfect mounting to metal ductwork
- Emitters rotate 90° for mounting externally on ductwork
- Magnets allow for easy surface mounting inside of equipment
- CIS12 includes a 24v transformer for low-voltage applications
- **Install multiple units to match larger system tonnage**

Ionization for Large Systems



Capacity	Item #	W x H x D	# of Pulse Emitters	Ion Output	Voltage
30 - 36 Tons (12,000 - 14,400 CFM)	CIS36	49" x 3" x 3"	12	1.92 Billion Ions / CC	120-277v (Auto Sensing)
-BIC Option: Dry contacts for connection to Building automation					

Optional Mounting Posts

Item #	Type	Notes
VXP-120	48" - 120" Vertical Post	3-Piece (no cutting needed)

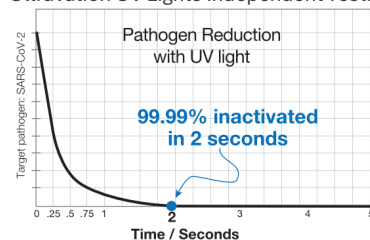
- 12 rapid pulse emitters
- 20 ft. power lead
- Rack mount-able in large air handler
- For larger systems, rack-mount multiple CIS units

Ultraviolet (UV-C) Disinfection

Since 1935 ultraviolet light has been used for disinfection in many applications, including air treatment

- The effectiveness of a UV-C system to inactivate microorganisms in the air and/or on surfaces has been amply demonstrated; the best results were obtained for the long-term irradiation of downstream coil surfaces to avoid fungal amplification on wet surfaces. (ASHRAE 2015 Position Document)
- UV provides high operating efficiency by way of its consistent prevention of bio-growth on HVAC components. In turn it reduces or completely eliminates the need for other types of system/cooling coil cleaning.
- UV exposure to the HVAC airstream can reduce airborne pathogen counts throughout an air conditioned space.

Ultravation UV Lights Independent Testing



UV for Residential Split Systems

Entry-Level: UVC Advantage

The **UVC Advantage** is engineered for efficiency - the lamp and power supply are one unit. As an integrated UV light system both lamp and electronics are renewed at every lamp change! Enjoys complete mounting flexibility right out of the box:

- 6 built-in mounting tabs
- Magnet included to for efficient internal installation
- Galvanized mounting plate included for duct board and metal plenums

Quality	Item #	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
Entry Level	ADV1224	12"	24v	9,000 Hours	1 Year	N/A - Replace Unit
	ADV1724	17"				



Premium: UltraMax EZ

The **UltraMax EZ** has a patented Remote UV lamp system. This allows for optimal bulb placement, while placing the power supply with LED indicators lights in a prominent position for visibility and service access.

- Electronic Power Supply outperforms old fashioned ballasts, increasing efficiency and optimizes UV intensity over the life of the lamp. Indicator lights show bulb status for owner and service confidence.
- The adjustable Z-Bracket allows for multiple installation configurations, including magnet-mounting
- Easily upgrades into a two-bulb system with a second lamp (EZ-LIGHT 6P)
- T3™ UV Lamps - up to 40% more UV intensity, with 18,000 hour lamp life

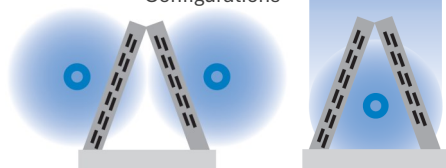
Quality	Item #	Bulb Length	Replacement Bulb	Power	Bulb Life	Warranty
Premium	UMX2412-EZ-M	12"	AS-IH-1001	24v	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)
	UMX2419-EZ-M	17"	AS-IH-1003			
Add for Dual Bulb	SLX-AAL-12	12"	AS-IH-1001	Pigtail to Power Supply	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)
	SLX-AAL-17	17"	AS-IH-1003			



Typical Single-Bulb Configurations



Typical Dual-Bulb Configurations



UV for Hyperion (TAM/GAM) Air Handlers



The TCEZLV-217 power supply incorporates a built in door switch to deactivate power when air handler panel is opened. All components mount with durable adhesive strips for ease of installation with no drilling/modification of air handler required.

Application	Item #	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
TAM-GAM AHUs	TCEZLV-217	Dual 17" Bulbs	120v - 240v	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	(2) AS-IH-1003

UV for Ductless, Fan Coil, & PTAC Systems

Mini UV LED

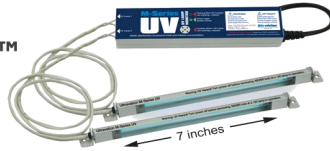


The Mini UV LED is for mini-splits and similar limited space applications. The LED light strip is designed to sterilize surfaces while having no impact on plastic materials. The flush-mount power switch allows for easy on/off control when visible LED illumination is an issue.

- UV LED spectrum is safe for eyes & plastics
- Flush-mount night-time power switch
- Replaceable 40" Adhesive LED strip
- Trimmable in 4" increments
- 50,000+ hour expected life
- Will not harm plastics

Application	Item #	Ballast Size	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
Ductless - Fan Coil - PTAC	TUV-MINI-LED-SW	5.12" x .77" x .78"	40" Adhesive LED Strip	120v - 277v (Auto Sensing)	50,000 Hours	10 Year (Unit) 1 Year (Bulb)	TUVL-MINI-LED
	UVM-207	6" x 1.5" x 1"	Dual 7" Bulbs	120v - 240v (Auto Sensing)	18,000 Hours	10 Year (Unit) 1 Year (Bulb)	(2) UVM07URL

M-Series UV™

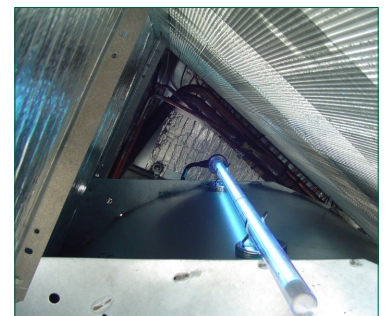
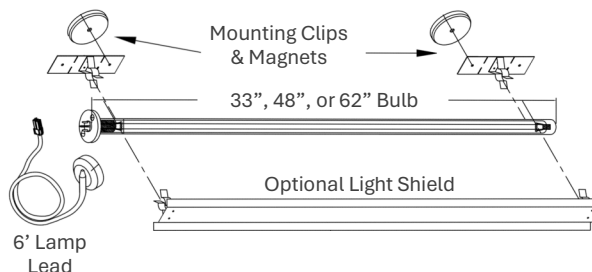
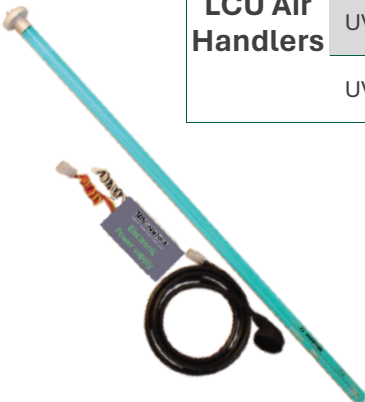


The M-Series™ UV system provides maximum UV-C germicidal disinfection. The high-intensity germicidal UV light kills microorganisms such as mold and bacteria that grow inside the A/C unit as well as helps reduce the airborne contaminants passing through the HVAC system.

UV for Light Commercial Air Handlers

The UVMatrix-EZ is a flexible and easy-to-install design. The unit ships with a bulb, power supply, and mounting clips/magnets. The 120v - 277v auto-sensing power has dry contacts for building management integration: closed when UVC lamps are running / open with any lamp failure.

Application	Item #	Bulb Length	Power (Auto Sensing)	Common Trane AHU Applications	Optional Light Shield	Warranty	Replacement Bulb
LCU Air Handlers	UVMatrix EZ-33-M	33"	120v - 277v	TWE060 - TWE090 (2 units recommended for best coil coverage)	94-045	10 Year (Unit) 1 Year (Bulb)	AS-IH-0611
	UVMatrix EZ-48-M	48"	120v - 277v	TWE120 (2 units recommended for best coil coverage)	94-046	10 Year (Unit) 1 Year (Bulb)	AS-IH-0612
	UVMatrix EZ-62-M	62"	120v - 277v	TWE150 - TWE300 (2 units recommended for best coil coverage)	94-043	10 Year (Unit) 1 Year (Bulb)	AS-IH-0610

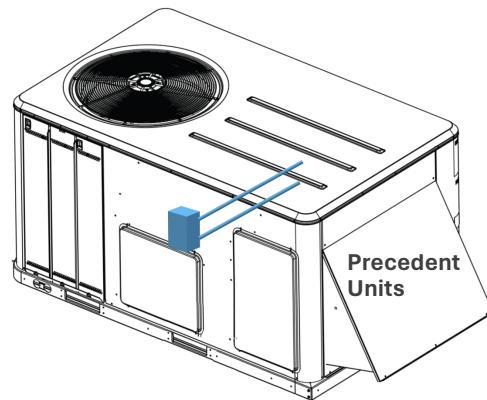
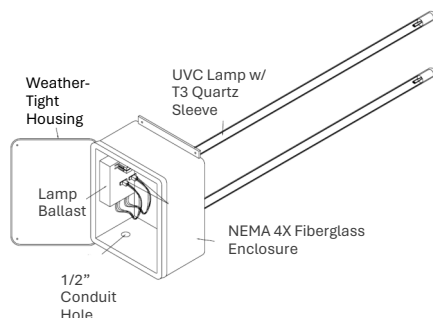
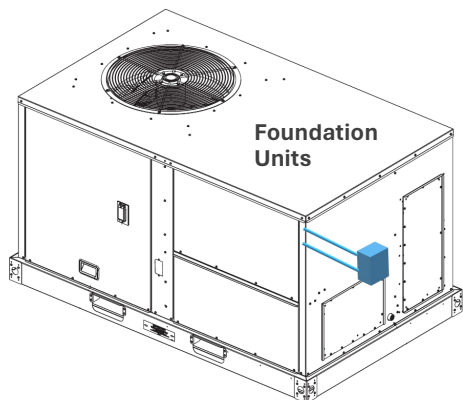


UV for Small Rooftop Units

The UVMatrix™ 4X has a compact design with a NEMA 4X rated electrical cabinet for operation outdoors and in wet areas. The fiberglass cabinet is weather-tight, and the UV lamps have a 360° dispersion for maximized disinfection. The cabinet houses all electrical connections, and allows for easy service and bulb changes without removing unit panels.

- Automatically adjusts to voltages ranging from 120 to 277 VAC 50/60Hz
- Safety Interlock System
- Dry contacts provided for use with optional remote lamp monitoring devices

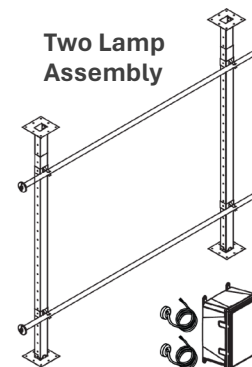
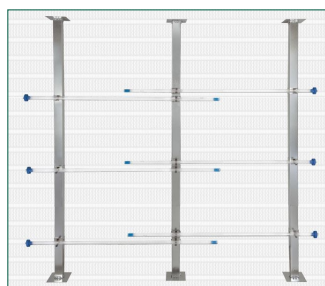
Application	Item #	Bulb Length	Power (Auto Sensing)	Replacement Bulb	Warranty	Common Trane RTU Applications
Small Rooftops	UVMatrix 4X-222	(2) 22"	120v - 277v	AS-IH-1005	10 Year (Unit) 1 Year (Bulb)	Foundation & Precedent 3 - 10 Ton
	UVMatrix 4X-233	(2) 33"	120v - 277v	AS-IH-0611		



UV for Large Rooftop Units & AHUs

The Ultravation UVMatrix LCI-Series is a breakthrough in flexibility. 2, 4 and 6-lamp modules can be combined for coverage of any size cooling coil. Automatically adjusts to voltages ranging from 120 to 277 VAC 50/60Hz.

- **Modular Design/Build:** Choose from 33", 48", and 62" UV-C lamps
- **Remote Power Supply:** Installs inside or outside air handler to ductwork
- **NEMA-4X** rated electrical enclosure (UL Certified)
- **Flexibility:** Allows for different UV lamp lengths to be powered by the same power enclosure. 20' lamp leads allow for a variety of placement options.
- **Modular Frame:** Aluminum supports are pre-drilled for accurate lamp positioning. The adjustable length assures fit with no cutting needed
- **Real-time Performance Monitoring:** UV-C intensity and operational status monitoring available that can be integrated with building automation.



- (2) VXP-120 Vertical Supports
- (1) LCI-2 Power Enclosure
- (2) AS-IH-0610 UVC Lamps
- (4) T3MC LCI Mounting Clamps
- (4) 94-068 Magnet Mounts

Step 1: Choose the Power Supply

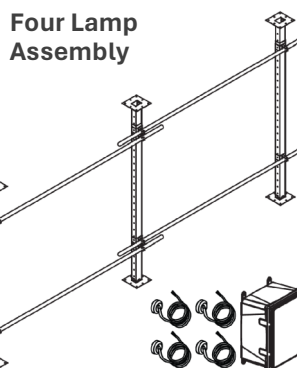
Item #	# of Lamp Connections	Enclosure Specifications
UVMATRIX LCI-2	(2) 20' Leads	NEMA-4X cabinet for outdoor and wet areas. Includes mounting hardware & magnets
UVMATRIX LCI-4	(4) 20' Leads	
UVMATRIX LCI-6	(6) 20' Leads	
-BIC Option	LED lamp monitoring includes dry contacts for connection to Building Management Systems.	

Step 2: Choose the Bulbs

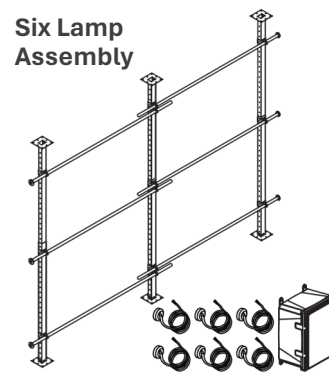
Item #	Length	Optional Shield
AS-IH-0611	33"	94-045
AS-IH-0612	48"	94-046
AS-IH-0610	62"	94-046

Step 3: Choose the Mounts

Item #	Type	Notes
VXP-120	48" - 120" Vertical Post	3-Piece (no cutting needed)



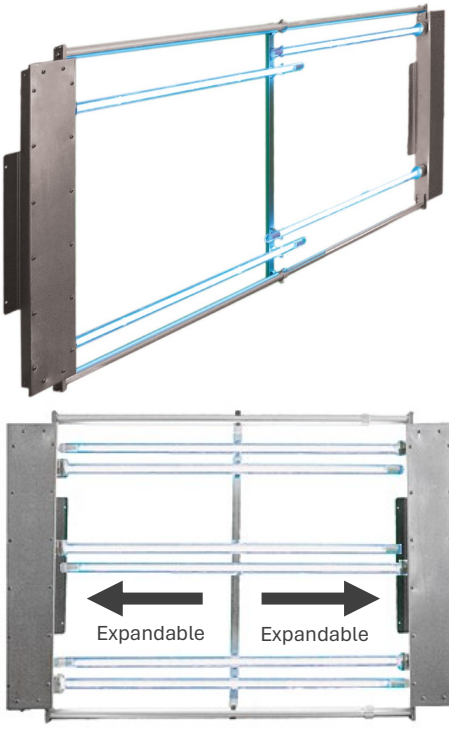
- (3) VXP-120 Vertical Supports
- (1) LCI-4 Power Enclosure
- (4) AS-IH-0610 UVC Lamps
- (8) T3MC LCI Mounting Clamps
- (8) 94-068 Magnet Mounts



- (3) VXP-120 Vertical Supports
- (1) LCI-6 Power Enclosure
- (6) AS-IH-0610 UVC Lamps
- (12) T3MC LCI Mounting Clamps
- (12) 94-068 Magnet Mounts

UV for Large Chilled Water AHUs

The UVMatrix™ SI Series is designed for air handlers where personnel can enter or have enough access to change lamps from the interior of the air handler. The UVMatrix™ SI Series is an expandable rack that utilizes two lamp lengths to cover a wide range of interior widths. It covers widths from 40" to 124".



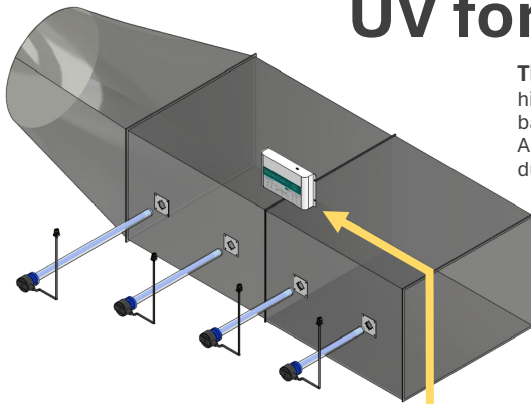
Coil Width	Coil Height	Rack Width	Rack Height	Item #	Bulb Size & Quantity	Replacement Bulb
38" - 66" Wide Coils	18" - 30"	42" - 76"	18"	UVMATRIX SI-2/G36	(2) 33" Bulbs	
	30" - 50"	42" - 76"	34"	UVMATRIX SI-4/G36	(4) 33" Bulbs	AS-IH-0611
	50" - 70"	42" - 76"	58"	UVMATRIX SI-6/G36	(6) 33" Bulbs	
66" - 124" Wide Coils	18" - 30"	76" - 126"	28"	UVMATRIX SI-2/G64	(2) 62" Bulbs	
	30" - 50"	76" - 126"	34"	UVMATRIX SI-4/G64	(4) 62" Bulbs	AS-IH-0610
	50" - 70"	76" - 126"	58"	UVMATRIX SI-6/G64	(6) 62" Bulbs	



The UVMatrix CP-Series is a custom built Control Panel that connects to the UVMatrix SI products. The control box can include the following options:

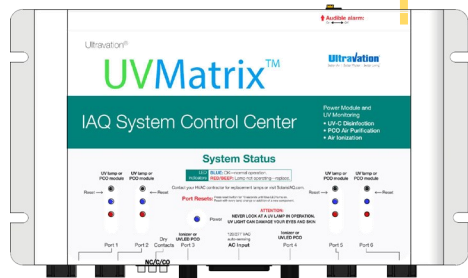
- A LED per lamp to show which UVC lamp is in operation
- ON/OFF switch to operate the UVC lamps externally
- Running time meter to indicate the operating hours of the UV system
- System Power Indicator Light
- UVC Sensor that reads true UVC
- ON/OFF/AUTO switch to control the system via remote switch
- Dry contacts: closed when UVC lamps are running / open with any lamp failure
- Dry contacts that are closed when UVC output is ABOVE acceptable levels and open when UVC output is BELOW acceptable level

UV for Ductwork Airstream Treatment






The UVMatrix™ AS Series is exposes airborne microorganisms circulating through an HVAC system to high levels of UVC energy. A major benefit of HVAC airstream disinfection is the reduction of airborne bacteria and viruses that accumulate in one area, from being spread to other areas of the building. Another is the ability to apply a very intense germicidal dose with needed exposure or dwell time since the ductwork lends itself to that purpose and people are completely shielded from the germicidal UV light.

- Remote electronic power supply with ON / OFF power switch
- Auto sensing power supply - any voltage from 115-277 VAC
- Multiple lamp configuration to generate high UVC intensity zones
- 360° UVC exposure for maximum disinfection



UV Matrix Power Center

- Supplies power to all lamps
- Individual resets and monitors for each lamp
- LEDs indicate when lamps need replacement
- Equipped with dry contacts for BAS connection
- 120-277v 50/60hz auto-sensing operation

System Size	Item #	Bulb Size & Quantity	Minimum Duct Clearance	Replacement Bulb
12" Bulb Systems	UVMATRIX AS-R-2/12	(2) 12" Bulbs		AS-IH-1001
	UVMATRIX AS-R-3/12	(3) 12" Bulbs		
	UVMATRIX AS-R-4/12	(4) 12" Bulbs		
17" Bulb Systems	UVMATRIX AS-R-2/17	(2) 17" Bulbs		AS-IH-1003
	UVMATRIX AS-R-3/17	(3) 17" Bulbs		
	UVMATRIX AS-R-4/17	(4) 17" Bulbs		
22" Bulb Systems	UVMATRIX AS-R-2/22	(2) 22" Bulbs		AS-IH-1005
	UVMATRIX AS-R-3/22	(3) 22" Bulbs		
	UVMATRIX AS-R-4/22	(4) 22" Bulbs		

Ultravation engineers can determine the configuration needed to meet the target inactivation goals. System installation/commissioning by factory engineers is available. Shown below are lamp array examples based on HVAC configuration and needed UV dose.

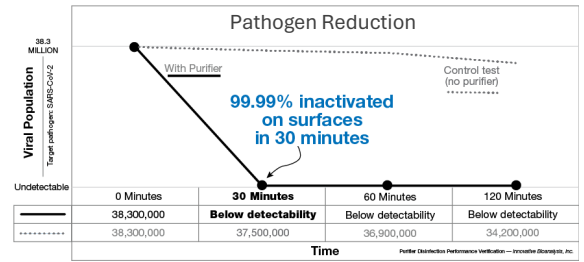


Photocatalytic Oxidation (PCO)

PCO air purifiers work at the molecular level to break up common odors, harmful volatile organic compounds (VOCs), as well as other organics including airborne viruses, bacteria and allergens.

- The Photocatalytic Oxidation process combines UV light irradiation with a titanium dioxide (TiO₂) catalyst. This produces hydroxyl radicals, which are highly reactive, short-lived, uncharged forms of hydroxide ions.
- These hydroxyl radicals attack larger carbon-based (organic) contamination, breaking it them up into simplified molecules, mostly water vapor, CO₂, and deactivated microbes. The result is odor-free and healthier air.

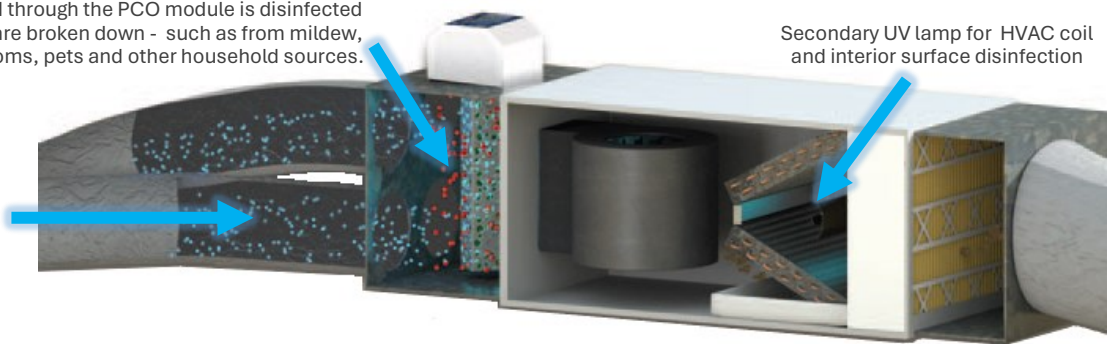
Ultravation UVPhotoMAX Air Purifier Independent Testing



PCO for Residential Split Systems

Air passing around and through the PCO module is disinfected while odors and VOCs are broken down - such as from mildew, laundry, kitchen, bathrooms, pets and other household sources.

Oxidizing hydroxyl radicals are released to break down airborne pollutants and disinfect household surfaces.



Entry-Level: UVPhotoMAX™

- Dual-Spectrum UV Light
- Patented PCO Adjustability for Desired Output Strength
- LED UV Lamp Operation Indicator
- Expandable: Built-in connection for adding a second UV lamp at the HVAC coil
- Self-Cleaning

Quality	Capacity	Item #	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
Entry Level	Up to 6 Tons	PTE-1224	10"	24v	Dual Spectrum UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1013

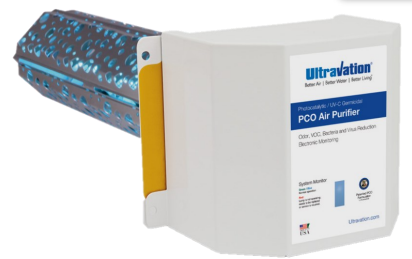


Premium: UVPhotoMAX GI™

All the Features Above plus:

- Industry-Leading 200 Square Inch Layered PCO Catalyst Surface Area
- Bi-Polar Ionization: Built-In Plasma Ion Generator
- UVLampMonitor™ Microprocessor LED Control
- Ozone Free: Conforms to UL 2998

Quality	Capacity	Item #	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
Premium	Up to 6 Tons	PTXGI-1224	10"	24v (Includes 40va Transformer)	Zero-Ozone UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1013-1



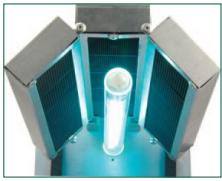
PLP Private Label Program

Add a Secondary UV Light (for built-in connection)

Quality	Item #	Bulb Length	Replacement Bulb	Power	Bulb Life	Warranty
Remote UV Light	SLX-AAL-12	12"	AS-IH-1001	Pigtail to Power Supply	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)
	SLX-AAL-17	17"	AS-IH-1003			



Activated Carbon PCO for Split Systems

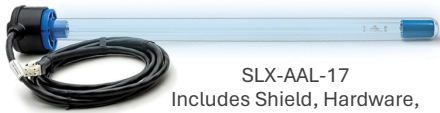


UVCatalyst is a PCO air purifier featuring activated-carbon air contamination capture. Activated-carbon is well known to be effective in the adsorption of odors and other airborne contamination. The infused activated carbon with a patented PCO formulation captures and then destroys indoor air pollution. It is powered by a UV-C lamp that brings its own high level of air disinfection power.

- Unmatched PCO purification power: Three deepbed activated carbon block modules, each infused with UVCatalyst patented* TiO₂ + silver and zinc formulation.
- Odor reduction: Cooking, pets, laundry, smog, bathrooms, trash, exercise rooms, and more.
- Breaks down potentially toxic VOCs. In addition, activated carbon is the most effective way to remove smoke odors.
- Expandable: Built-in connection for adding a second UV lamp at the HVAC coil
- Self-cleaning panels - never need replacing
- Ozone Free: conforms to UL 2998.

Quality	Capacity	Item #	Bulb Length	Power	Bulb Life	Warranty	Replacement Bulb
Premium	Up to 6 Tons	UVCAT-1224	12"	24v	T3™ UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1001

Private Label Program **PLP**



SLX-AAL-17
Includes Shield, Hardware, Magnet, Wiring Pigtail

Secondary UV Light (for built-in connection)

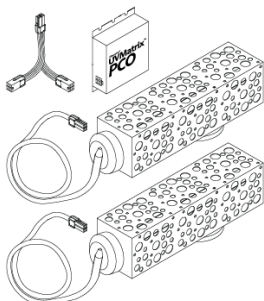
Quality	Item #	Bulb Length	Replacement Bulb	Power	Bulb Life	Warranty
Remote UV Light	SLX-AAL-12	12"	AS-IH-1001	Pigtail to Power Supply	T3™ UV Lamps 18,000 Hours	10 Year (Unit) 1 Year (Bulb)
	SLX-AAL-17	17"	AS-IH-1003			

PCO for Larger Systems

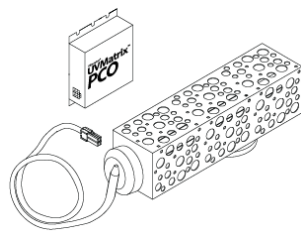
Internally Magnet-Mounts for Easy Placement on Larger Air Handlers and Rooftop Units

- Easily magnet mounts in the blower/supply section of commercial RTUs and air handlers
- Employ multiple units on larger equipment to reach the desired tonnage / CFM
- Low-voltage and line voltage models available

Capacity	Item #	Power	# of Modules	Module L x W x D	Bulb Length	Bulb Life	Warranty	Replacement Bulb
Up to 3 Tons (1,200 CFM)	UVMATRIX PCO-24-4	24v	1	8" x 2.7" x 2.7"	4"	T3™ UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1022
	UVMATRIX PCO-LV-4	120v - 277v Auto-Sensing						
3.5 - 7.5 Tons (1,400 - 3,000 CFM)	UVMATRIX PCO-24-10	24v	1	11" x 2.7" x 2.7"	10"	T3™ UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1013
	UVMATRIX PCO-LV-10	120v - 277v Auto-Sensing						
8 - 20 Tons (3,200 - 8,000 CFM)	UVMATRIX PCO-24-2-10	24v	2	(2) Modules @ 11" x 2.7" x 2.7"	(2) 10"	T3™ UV Lamp 18,000 Hours	10 Year (Unit) 1 Year (Bulb)	AS-IH-1013
	UVMATRIX PCO-LV-2-10	120v - 277v Auto-Sensing						



Dual 10" PCO Module



10" PCO Module



4" PCO Module



RGF REME®

REME® for Residential Split Systems

The REME-HALO® utilizes RGF's patented REME® Cell technology with UV-C light to create low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold. The onboard ion generators are used to restore the natural levels of ions in the conditioned space, reducing airborne particulate such as pollen, dust, and smoke.

- UV-C Light for Powerful Disinfection
- On-Board Ionization for Particulate Capture

Capacity	Item #	Application	Dimensions	Power	Bulb Life	Warranty	Replacement Cell
2 to 6 Tons (800 - 2,400 CFM)	REMEH	Duct Penetration	11" Probe 7" Diameter Plate	24v (Includes 40va Transformer)	2 Years	5 Year (Unit) 1 Year (Bulb)	PHICRH



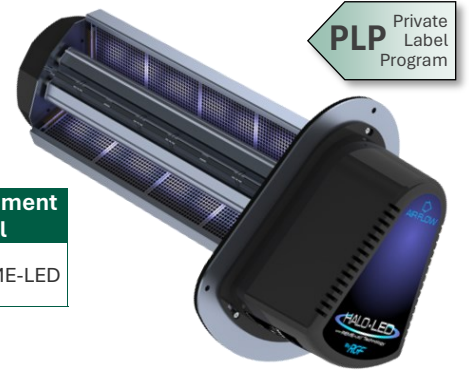
Just like the REME-HALO®, the HALO-LED® disperses natural concentrations of gaseous hydrogen peroxide, reducing viruses, bacteria, mold spores and odors in minutes. Low levels of airborne hydrogen peroxide are quietly distributed throughout the air-conditioned space. It saves energy by turning on and off as the air flows through the unit. This also makes the unit last 2.5 times longer than the REME-HALO®. In addition, the HALO-LED® is verified zero ozone.

- On-Board Ionization for Particulate Capture
- UV-LED Technology is Verified Zero Ozone

24-volt Control Systems: When using the HALO-LED® on a newer HVAC unit utilizing a variable speed fan or ramping motor, the included 90-370 relay (24VAC coil, SPDT) should be used in order to turn off the power to the HALO LED when the HVAC unit is turned on and off. Unlike the standard REME-HALO®, the longest life for the LED version is achieved with it cycling on and off as needed.

Communicating Thermostat Systems: When utilizing a variable speed fan or ramping motor with communicating thermostats, the **RGF Air Sensing Switch Kit (HLED-AS) or equivalent must be used.**

Capacity	Item #	Application	Dimensions	Power	Bulb Life	Warranty	Replacement Cell
2 to 6 Tons (800 - 2,400 CFM)	REME-LED	Duct Penetration	11" Probe 7" Diameter Plate	24v (Includes 40va Transformer)	4.5 Years	7 Year (Unit) 4 Year (Cell)	PHIC-REME-LED



Item #	Description	Range in Inches of W.C.	Contact Type
RSS495011	Air Pressure Sensing Switch	0.25" to 1.0" w.c.	SPDT

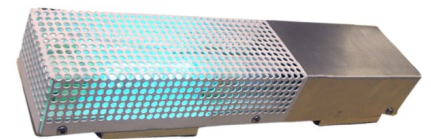


REME® for Package Units & Commercial Applications

The PHI-PKG® package units are designed specifically for use in commercial applications. They utilize adjustable magnetic feet with vibration dampers to attach without fasteners to the HVAC blower unit, making installation fast and simple. PHI-PKG® package units are available with 5", 9", and 14" PHI-CELL® lamps.

- 2-Year Warranty
- Employ multiple units on larger equipment to reach the desired tonnage / CFM

Capacity	Item	Cell Size	Dimensions W x L x D	Voltage	Bulb Life	Replacement Cell	Application
Up to 3.5 Tons (375 - 1,200 CFM)	PHIPKG524	5"	2.25" x 10.5" x 1.75"	24v	2 Years	PHIC5PKG	Internal Magnet Mount
3.5 to 7.5 Tons (1,200 - 3,000 CFM)	PHIPKG924	9"	2.25" x 13.5" x 1.75"	24v	2 Years	PHIC9PKG	
7.5 to 20.0 Tons (3,000 - 8,000 CFM)	PHIPKG1424	14"	2.25" x 18.5" x 1.75"	24v	2 Years	PHIC14PKG	



Adjustable Magnetic Feet with Vibration Dampers



Replacement UV Bulbs / Cells

Air Scrubber

Item #	Length	Fits Models	Connection
US70768	9"	9960051	T5 4-Pin
US71088	9"	9960052 (No Ozone)	



AprilAire

Item #	Length	Fits Models	Connection
AUVRPB	18"	AUV24V, UV12, UV14, UV22, UV24	T5 4-Pin with Collar



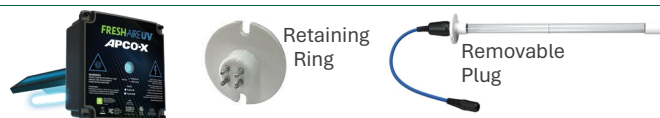
Dust Free

Item#	Length	Fits Models	Connection
13076	6"	Active 6"	T5 4-Pin
13077	12"	Active 12"	
13055	14"	Carbon 14"	
19302	15"	Lightstick®	T5 4-Pin with Collar
06032	16"	BIO-FIGHTER® VersaLight & Ultraflex	
06035	9" Dual	Nomad & Nomad 2	2G11
06036	16" Dual		4-Pin Dual Bulb



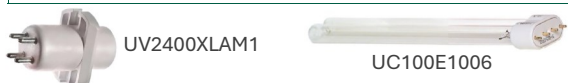
Fresh Aire / Apco

Item #	Length	Fits Models	Connection
TUVL-211P	11"	APCO-MAG11	T5 4-Pin with Retaining Ring & Removable Plug
TUVL-215P	15"	BLUE-TUBE UV APCO, APCO-MAG15	T5 4-Pin with Retaining Ring
TUVL-311	11"	APCO-RT APCO-X, APCO-MAG11	
TUVL-315	15"	BLUE TUBE UV-X APCO-X, APCO-X-MAG15	Plug
TUVL-MINI-LED	40" Strip	TUV-MINI-LED-SW	



Honeywell / Resideo

Item #	Length	Fits Models	Connection
UV2400XLAM1	16"	UV2400U1000 UV2400U5000	T5 4-Pin with Retaining Mount
UC100E1006	9"	UV100E1043	2G11 4-Pin Dual Bulb
UC100E1030	16"	UV100E2009 UV100E3007	



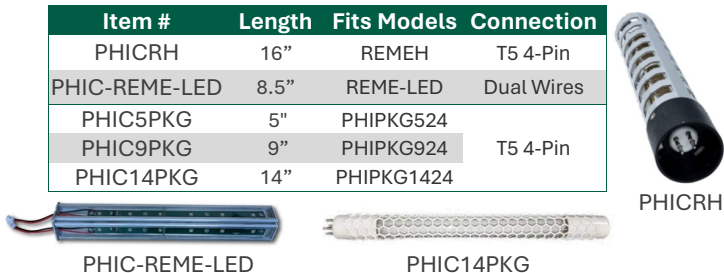
Respaire

OEM #	Length	Fits Models	Connection
6RBUV18W9L	9" Dual	9" OdorMiser DTX 6RDTXS18W9L	2G11 4-Pin Dual Bulb with Locking Tab Connector
6RBUVO10W7L	7" Dual	OXY-4 6RDPXO10W7L	
6RBUVO18W9L	9" Dual	OXY-4 6RDPXO18W9L	2G11 4-Pin Dual Bulb
6RBVO10W7L	7" Dual	OXY-4 6ROX4SO10W7L	
6RBVO18W9L	9" Dual	OXY-4 6ROX4SO18W9L	



RGF

Item #	Length	Fits Models	Connection
PHICRH	16"	REMEH	T5 4-Pin
PHIC-REME-LED	8.5"	REME-LED	Dual Wires
PHIC5PKG	5"	PHIPKG524	T5 4-Pin
PHIC9PKG	9"	PHIPKG924	
PHIC14PKG	14"	PHIPKG1424	



Ultravation

Ultravation UV Bulbs			
Item #	Length	Fits Models	Connection
UVM07URL	Dual 7"	UVM-207	Wire Leads
AS-IH-1001	12"	UMX, UME, Add-A-Light, UVCAT	T5 4-Pin with Retaining Collar
AS-IH-1003	17"		
AS-IH-1005	22"	UVMatrix Commercial Series UV Systems	T5 4-Pin with Retaining Collar
AS-IH-0611	33"		
AS-IH-0612	48"		
AS-IH-0610	62"		

Ultravation PCO Bulbs			
Item #	Length	Fits Models	Connection
AS-IH-1013-1	10" Zero Ozone	PTXGI PCO Unit	T5 4-Pin with Retaining Collar
AS-IH-1013	10"	PTE and 10" UVMatrix PCO	
AS-IH-1022	4"	4" UVMatrix PCO Units	



Don't see the bulb you need? We can still help.

1. Connection Type: T5, 2G11, or other?
2. Collars or Mounting Hardware on Bulb?
3. Bulb Length?
4. Manufacturer/Model Info on Lamp Bulb?
5. Manufacturer/Model Info from Unit?



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