

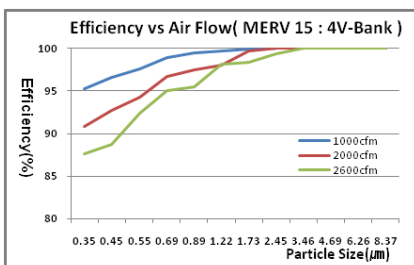
V Bank Filter

Mini-Pleated Panels made with Layered, Melt-blown Synthetic Media

- Layered, melt-blown, synthetic mini-pleated panels improve performance
- Neoprene sponge rubber gasket mounted to an ABS Frame sealed with a poly-urethane sealant
- Available in:
MERV-A 16-A, MERV-A 15-A, MERV 16,
MERV 15, MERV 13 and E10
- Innovative Clean & Science Antimicrobial Technology



Clean & Science V Bank Filter MERV 13 and higher meet public safety criteria established UL Classification.



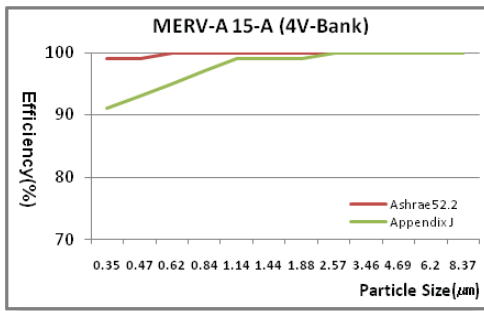
4V Bank: Fractional Efficiency (0.2~20µm)

- Industry leading low pressure drop
- Long filter life
- Large dust holding capacity
- Antimicrobial Technology
- Factory installed gaskets for reduction of air bypass

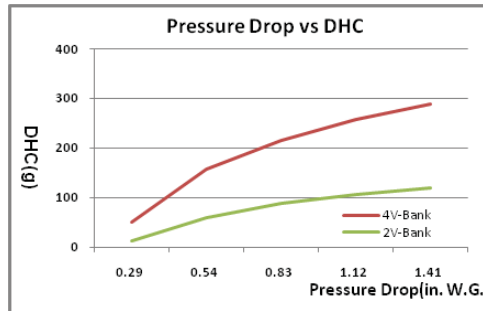
The Clean and Science V Bank Filters offer our customers a unique combination of performance and design features including integral gaskets and layered synthetic mini-pleat panels. These filters are an excellent choice for building owners and facility managers looking to reduce their energy utilization and minimize their total cost of operation, while still providing building occupants with high quality filtered air.

Using Clean & Science technologies, these commercial HVAC filters offer an industry leading combination of low pressure drop, robust efficiency, longevity, low weight as well as unique design features. These design features include synthetic layered mini-pleat panels for reduced pressure drop and highly engineered media with a precise balance of mechanical and electret characteristics. The robust efficiency of these filters is tested to the rigorous industry filter conditioning standards – ASHRAE 52.2: 2007 Appendix J.

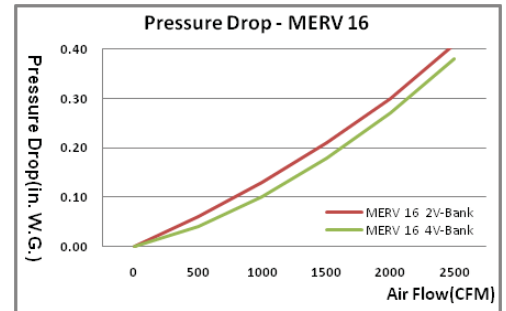
Clean and Science V-Bank Filters feature HVAC filters with innovative integral gaskets. An exceptional value added feature, which helps prevent unfiltered air from flowing past gaps between the filter and the filter rack. The integral gaskets from Clean & Science are factory installed, which not only save time during installation, but ensure that gaskets will be used.



MERV-A 15-A (Appendix J)



Dust Holding Capacity vs Pressure Drop



MERV 16: Pressure Drop on 2 & 4 V Bank filters

		FTVB AM4 M16A-AAG	FTVB AM4 M15A-AAG	FTVB AM4 M15S-AAG	FTVB AM3 M16A-TTG
MERV		MERV-A 16-A	MERV-A 15-A	MERV 15	MERV-A 16-A
Standard Holding Frame Media	inch	23 3/8 x 23 3/8 Melt-Blown	23 3/8 x 23 3/8 Melt-Blown	23 3/8 x 23 3/8 Melt-Blown	19 3/8 x 19 3/8 Melt-Blown
Bank Unit		4 V	4 V	4 V	3 V
Frame Depth	inch	11 1/2	11 1/2	11 1/2	11 1/2
Weight	lbs	15.2	15.2	15.2	11.0
Header Size	inch	23 3/8	23 3/8	23 3/8	19 3/8
Rated Air Flow	CFM	2000	2000	2000	1650
Initial Resistance (2000cfm)	in. W.G.	0.26	0.26	0.23	0.4 (1650cfm)
Media Area	ft ²	172	172	172	107
Temperature Resistance	°F	158	158	158	158

Key Benefits

- Potential for reduction in electrical energy consumption due to industry leading low initial pressure drop of the Clean & Science V-Bank Filters. These Commercial HVAC Filters may lead to substantial energy savings, when compared to competitive V-Bank or box filters with the same efficiency.
- The Clean & Science V-Bank Filters MERV A13 with Gasket or higher meet the Facilities Guidelines Institutes (ANSI / ASHRAE / ASHE Standard 170 - 2008) requirements for hospitals and healthcare facilities where MERV 13 primary filters are required.
- Clean & Science V-Bank Filters have long filter life, due to their unique combination synthetic filtration media, the miniature layered pleat structure and high filter media area.
- Factory installed gaskets ensure correct installation and usage, resulting in consistent reduction of air bypass.
- The factory installed gaskets of Clean & Science V-Bank Filters eliminate the need for additional labor to install gaskets on-site.
- Due to their lightweight frame construction, Clean & Science V-Bank Filters are easier to handle, transport, and install than many comparable V-Bank filters and metal box filters. Lighter weight is especially important when HVAC filters must be manually carried to the air handler.
- Clean & Science V-Bank Filters are 100% synthetic, resulting in moisture and humidity resistant, corrosion free filters that do not support mold growth.
- Clean & Science V-Bank Filters are 100% metal free and fully incinerable.
- Clean & Science V-Bank Filters meet UL 900 flammability rating (US) and UL 900 Class 2 flammability rating (Canada).

CAUTION: USED FILTERS MAY CONTAIN CONTAMINANTS FROM OPERATION OF THE HVAC SYSTEM. FOR PROPER HANDLING OF USED FILTERS, CONSULT APPLICABLE HEALTH AND SAFETY STANDARDS OR CONTACT AN INDUSTRIAL HYGIENIST. TO REDUCE RISK OF ILLNESS OR INJURY, ALWAYS USE APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING WHEN REMOVING OR HANDLING USED FILTERS. DISPOSE OF USED FILTERS ONLY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

IMPORTANT USE RESTRICTIONS: DO NOT EXPOSE THIS FILTER DIRECTLY TO UV RADIATION FROM A UV PURIFICATION SYSTEM. EXCESSIVE UV EXPOSURE MAY LEAD TO A REDUCTION IN THE MECHANICAL INTEGRITY AND PERFORMANCE OF THE FILTER. THIS FILTER MUST NOT BE USED FOR THE FOLLOWING UNAUTHORIZED USES: A) ASBESTOS, LEAD OR MOLD REMEDIATION; B) BIOTERRORISM PROTECTION; C) APPLICATIONS IN BUILDINGS THAT REQUIRE OR ARE UNDERGOING AIR HANDLING SYSTEM REMEDIATION OF HAZARDOUS SUBSTANCES; OR (D) PROTECTIVE ENVIRONMENTS PER AIA GUIDELINES.



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