



# Clean Liquid Systems LLC

7422 Kearney Hill Ln.  
 Spring, TX 77389  
 Ph: 713-253-0100 / 713-253-5001  
 don@cleanliquidsystems.com

## V Cell - Mini Pleat Compact Filters (glass media)

V-Cell, the high efficiency Mini-Pleat compact filters made up of micro-fine glass fiber media are available in a wide range of efficiencies from MERV 12 to HEPA E12 grade. V-cells are designed for use in HVAC installations where highest degree of air cleanliness is required. The compact design, large surface area and low initial resistance made it an ideal alternative to ordinary Bag filters & Box type filters of the similar efficiencies. V Cell models are also available with very high burst resistance, low pressure drop and high dust holding capacity for extreme operating conditions like Gas Turbine air intake filtration. GTV Models are with plastic grid support.

V-Cell standard model is constructed in plastic frame with 11.5" depth and are available in 20 and 25mm headers

4V filters are made up of water resistant micro-fine glass fiber filter media, closely pleated and separated by continuous thermo-plastic bead separators. This design accommodates a very large quantity of filter media which offers a longer service life and low pressure drop. The Mini-Pleated media packs are arranged in perfect V design and sealed to the enclosing frame. Single piece foam gasket will be provided upon request.

GTV-Gas Turbine Models are constructed in plastic frame and are backed with Heavy duty plastic mesh support for additional protection.

The GTV model utilizes a special grade media offering very high dust holding capacity and the mini-pleat packs are backed with an additional plastic grid support for each media panel to ensure protection during operation in harsh conditions. Fully Potted versions are also available. Filters are absolutely metal free and are incinerable and environmentally friendly. Filters can also be made in Reverse flow design. These filters offers very high burst pressure, and are ideal for extreme operating conditions.



ASHRAE 52.2-2012	Standard Model	GT Model	Size Inches (Nominal)	Media Area Sq.ft.	Rated Airflow CFM	Initial Resistance In W.G.	Final Resistance In W.G.
MERV 15/ F9	4VF94412	4VGTF94412	24 x 24 x 12	196	2000	.51	2.5
MERV 15/ F9	4VF90412	4VGTF90412	20 x 24 x 12	162	1600	.51	2.5
MERV 15/ F9	4VF94212	4VGTF94212	12 x 24 x 12	98	1000	.51	2.5
MERV 14/ F8	4VF84412	4VGTF84412	24 x 24 x 12	196	2000	.38	2.5
MERV 14/ F8	4VF80412	4VGTF80412	20 x 24 x 12	162	1600	.38	2.5
MERV 14/ F8	4VF84212	4VGTF84212	12 x 24 x 12	98	1000	.38	2.5
MERV 13/ F7	4VF84412	4VGTF74412	24 x 24 x 12	196	2000	.32	2.5
MERV 13/ F7	4VF80412	4VGTF70412	20 x 24 x 12	162	1600	.32	2.5
MERV 13/ F7	4VF84212	4VGTF74212	12 x 24 x 12	98	1000	.32	2.5
MERV12/M6	4VM64412	4VGTM64412	24 x 24 x 12	196	2000	.26	2.5
MERV12/M6	4VM60412	4VGTM60412	20 x 24 x 12	162	1600	.26	2.5
MERV12/M6	4VM64212	4VGTM64212	12 x 24 x 12	98	1000	.26	2.5

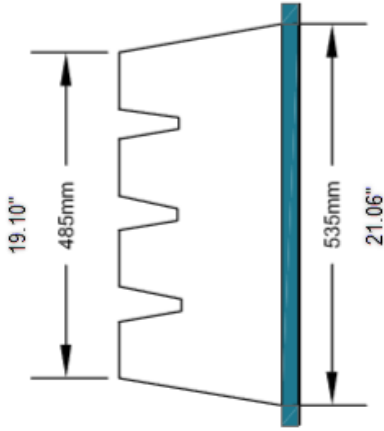
All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.



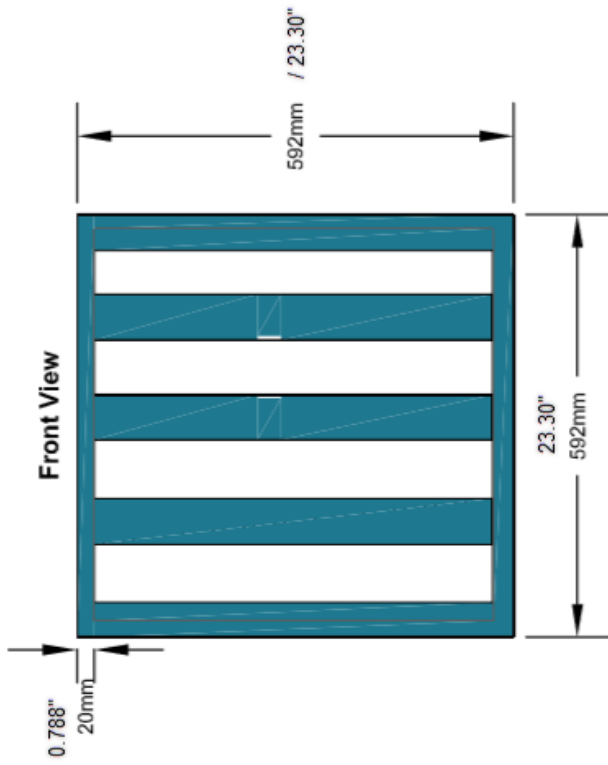
# Clean Liquid Systems LLC

7422 Kearney Hill Ln.  
 Spring, TX 77389  
 Ph: 713-253-0100 / 713-253-5001  
 don@cleanliquidsystems.com

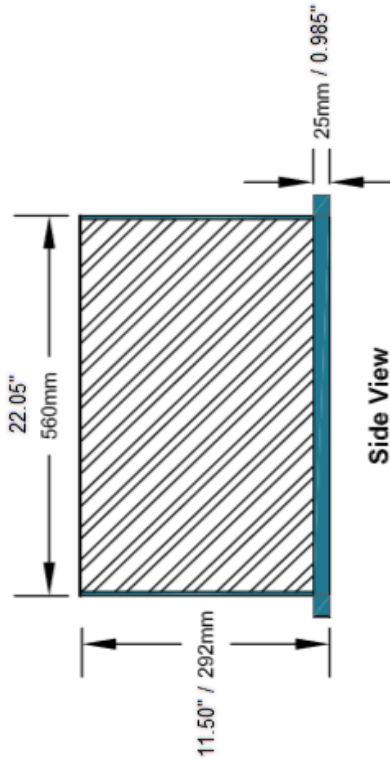
**Top View**



**Front View**



**Side View**



## Specifications

Media	Microfine Fiberglass Paper Media
Rated Velocity	500 FPM
Frame	Plastic
Separator	Hot Melt Beads
Sealant	Polyurethane
Class	MERV 12 to MERV 15
Temperature	Maximum 80 Degree Celsius / 175 F
Final Resistance	Recommended 2.0" w.g.
Face guards	Plastic, Air Leaving side (Optional)
Number of Face Guards	2 or 8 (Optional)
Gasket	Downstream side as default (Optional)

## 4V and 4VGT

Approved By: QC Revision Date -23.12.2015

Scale - None Drawing Size - A Page 1 of 1

All dimensions are in mm