

V Line Panel Filter Economy Pleated Intrepid Media

General Description

The V Line pleated Panel filter is a standard capacity disposable product offering a better than basic level of filtration, or pre-filtration in HEVAC applications. This product is made using patented Kimberly Clark media which delivers a constant level of filtration over its life.

Construction

This product is constructed by bonding a pleat pack of Intrepid V Line media into a water repellent AquaKote card frame

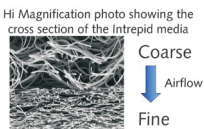
Features

The Frame is made from AquaKote card which has

- Superior tear resistance when wet
- Great dry tear resistance and
- Manufactured from a renewable source.

Kimberley Clark Patented Intrepid Media

- Has a Graduated Density for even dirt loading , resulting in greater dust holding
- Hydrophobic – so will not load with moisture in the air
- Has a constant efficiency due to its extra electrostatic charge
- Superior Efficiency V's Particle size (see table)
- Has a low pressure drop
- Is made form continuous fibres so will not shed



Filter Class EN 779:2012		G4
Filter Depth	Rated Airflow	Initial Pressure Drop
20mm	1.5m/sec	45Pa
45mm	2.0m/sec	45Pa
95mm	2.7m/sec	53Pa
Final Recommended Pressure Drop		200Pa



Operating Temperature

Continuous 80 °Centigrade

Test Comparing Filtration efficiency V's different sized particles. Intrepid Media V's Cotton Polyester Filters		
Particle Size Rang(mm)	Initial Fractional Efficiency(%)	
	V Line Intrepid	The "best" Cotton Poly Alternative
0.3-0.4	7	2
0.4-0.55	15	6
0.55-0.7	28	11
0.7-1.0	41	19
1.0-1.3	52	24
1.3-1.6	58	28
1.6-2.2	63	32
2.2-3.0	67	36
3.0-4.0	70	37
4.0-5.5	71	38
5.5-7.0	72	38
7.0-10.0	73	39

STANDARD SIZES VL4

No.	Nominal Size Inches	Height (mm)	Width (mm)	Depth (mm)	Rated Airflow m³/hr
VL4-1010	10x10x4	241	241	95	565
VL4-1020	10x20x4	241	495	95	1160
VL4-1212	12x12x4	292	292	95	829
VL4-1224	12x24x4	292	594	95	1686
VL4-1515	15x15x4	368	368	95	1316
VL4-1520	15x20x4	368	495	95	1771
VL4-1616	16x16x4	394	394	95	1509
VL4-1620	16x20x4	394	495	95	1896
VL4-1625	16x25x4	394	622	95	2382
VL4-1818	18x18x4	445	445	95	1925
VL4-1831	18x31x4	445	775	95	3352
VL4-2020	20x20x4	495	495	95	2382
VL4-2024	20x24x4	495	594	95	2858
VL4-2025	20x25x4	495	622	95	2993
VL4-2424	24x24x4	594	594	95	3404

