



H&V CabinPro™ Solutions for Cabin Air Filtration

Protecting What Matters

Cabin air filtration is essential in protecting the health and safety of vehicle passengers and drivers by helping remove harmful particulate and gaseous pollutants coming from both the outside and the inside of the vehicle, and thereby improving Vehicle Interior Air Quality (VIAQ).

H&V's CabinPro™ Solutions encompass a wide variety of particulate, adsorption, and combination media providing different **benefits** depending on the application needs:

- Best in class **high efficiency**
- **Lower pressure drop** or much higher **dust holding-capacity (DHC)** than other high-end products on the market, **prolonging** filter **service life** and **conserving energy in vehicles**
- **High durability** and **pleatability** at different pleat heights allowing for **superior processability** and **filter design flexibility**



The heart of a Cabin Air Filter is the Filter Media:
The engineered material that largely determines the performance and reliability of the filter.

Supported by our global manufacturing footprint, CabinPro™ ET, CabinPro™ MT and CabinPro™ XT product lines stand for standard, advanced and superior protection levels, to fit various application needs in Cars (ICE, EV, Hybrid), Heavy-Duty Trucks, Commercial vehicles, Buses, Trains, Off-Road vehicles, Agricultural and Aerospace applications.

CabinPro™ Particulate Media cover a wide range from entry level performance Meltblown media, to higher performing Technostat®, AlphaPerm™ and NanoWeb™ technologies as well as highest performing multilayered composites, for best-in-class protection against different particles including fine particles (PM1, PM 2.5, PM 10).

Particulate Only Media

	Grade	Basis Weight	Thickness	Air Perm	Initial Efficiency	Dust Holding
		gsm	mm	l/m ² /s	%	g
CabinPro™ XT Superior Protection Level	NH0501A*	90	0.6	90	99.8	30
	TSS050XA144	225	1.8	1700	73	100
	TPL040NS127	115	1.2	2600	73	100
CabinPro™ MT Advanced Protection Level	PSC9531A*	82	0.6	580	95	35
	PSC8531A*	76	0.5	970	85	42
	TPL030N127	105	1.0	3000	60	75
CabinPro™ ET Standard Protection Level	CA1020C2-H*	110	0.7	1650	37	17
	CA1020A2-H*	110	0.7	2200	42	27
	CA0060L*	60	0.4	2700	≤10	20

NaCl (0.2-0.5 μm) @20cm/s A2 @ +100 PA

- Highest performing **electret media** for a **long filter life**
- **Highly efficient lowest resistance** meltblown **maintaining charge** and performance
- **Fully synthetic mechanical filtration** media for fine particle filtration

CabinPro™ Combination Media offer the best possible protection against particulate and gaseous contaminants, covering a wide range of performance levels combining Particulate layers up to HEPA efficiency (EN1822, ISO29463) with various Adsorption layers for removing gases, odors, and VOCs such as Sulfur dioxide, n-Butane, Toluene, Ammonia, Nitrogen Oxide, and Aldehydes.

- Combined **high-surface area adsorbents and synthetic particulate** filtration layers
- Well-proven H&V Technologies in **multilayered composites** for superior particulate filtration
- Different **Activated Carbon** Options and **other Adsorption Media** Capabilities

Combination (Particulate & Carbon Containing Media)

	Grade	Basis Weight	Thickness	Air Perm	Initial Efficiency	Carbon Content	Toluene BT	SO ₂ BT
		gsm	mm	l/m ² /s	%	g	%	%
CabinPro™ XT Superior Protection Level	5394-V396*	478	1.5	420	95	330	11	67
	5351-V312	605	2.0	1250	79	430	10	42
	A4280	400	2.4	620	99.7	200	39	79
	A8199	545	1.9	2330	≤10	300	16	56
CabinPro™ MT Advanced Protection Level	5321-V273*	430	1.3	1300	44	300	12	55
	5224-V2	500	1.4	1580	≤10	390	5	46
	5234-V2	410	1.1	1900	≤10	300	9	70
	A4344	557	2.3	1950	42	400	15	45
CabinPro™ ET Standard Protection Level	5236-V273*	310	1.0	1450	24	180	19	75
	5366-V261*	330	1.4	1930	31	180	37	78
	5236-V2	310	1.0	1920	≤10	200	19	80
	A4219	330	1.9	2800	≤10	200	39	80

NaCl (0.2-0.5 μm) @20cm/s 5min BT @20 cm/sec, 80 ppm 5min BT @20 cm/sec, 30 ppm

Please request separate data sheets for additional performance data (e.g. Flame retardancy and other gases and VOCs).

* Indicates grades using primarily mechanical efficiency

About Hollingsworth & Vose

Hollingsworth and Vose is a global manufacturer of advanced materials used in filtration, battery, and industrial applications. Family-owned for seven generations, the company's origins go back to the early 1700s and we have evolved continuously since that time. Headquartered in East Walpole, Massachusetts USA, we operate with 13 manufacturing and research & development facilities in the Americas, Europe, China, and India.

Contact us to learn how our advanced materials are contributing towards creating a cleaner world.