



Filter Media for Consumer Water Products

Pour Through Pitchers

Water is essential for life. Pour through pitchers provide improved taste and cleanliness. Day or night, pitchers remove contaminants and store clean, refreshing water. Premium, fast flowing filtration makes it easier to hydrate. Great tasting water is made possible with simple, gravity based purification.

	For Users	For Pitcher Makers	How H&V Products Help
Flow Rates	Fill the pitcher fast! Long fill times are unacceptable.	Combine filter media that works, while maintaining fast flow.	Deliver best in class flow rates with products like Trupor®.
Best Water	The safest, best tasting water.	Improve taste while removing impurities - especially cysts and asbestos.	Help pitcher makers add safety claims while meeting current expectations.
Product Safety	Product must meet expected safety needs.	Ensure that materials comply with local regulations.	Produce products out of industry standard materials; performance guide makes evaluation easy.

Pour Through Pitcher Study

H&V produced a pour through pitcher product study to show the benefits of different products. This includes:

- Tear downs of current market leaders.
- Mock-ups using different H&V materials.
- Benchmarking.
- Incorporating Trupor® can improve taste and safety at the same or better flow rates.

Ask for an update.

H&V Products for Water

Products for water filtration are produced at many H&V sites and include; wetlaid cellulose, wetlaid glass, meltblown products, Trupor® microfiltration membranes, and composites. In addition to following ISO 9001, H&V uses an internally developed version of Hazard Analysis, Critical Control Points (HACCP) for products used in water filtration.

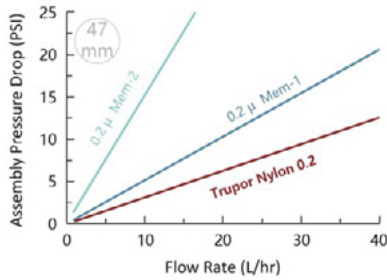
Technical Data for H&V Microfiltration Grades

Grade	L500-3311	L120-3311	L080-3311	L065-3311	L045-3311	L020-3311
Micron Rating	5	1.2	0.80	0.65	0.45	0.20
Basis Weight (gsm) ASTM D 3776	75	75	75	75	75	75
Thickness (mm) ASTM D 1777	0.20	0.20	0.20	0.20	0.20	0.20
Air Perm (cfm) ASTM D 737 @ 125 PA	7.0	6.0	4.0	3.8	1.8	n/a*
Mean Flow Pore (um) ASTM F316	0.80	0.66	0.65	0.43	0.30	0.22
Tensile MD (Lbs/in)	4.2	4.2	4.2	4.2	4.2	4.2

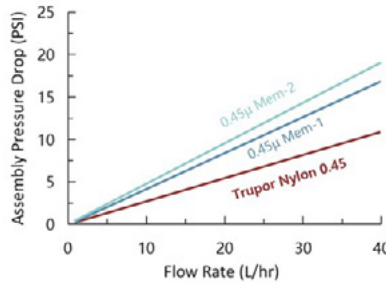
* TPPA-0.20-V2 Air Perm - 18 cfm @2500 Pa

Trupor® Membrane Microfiltration Flow Rates

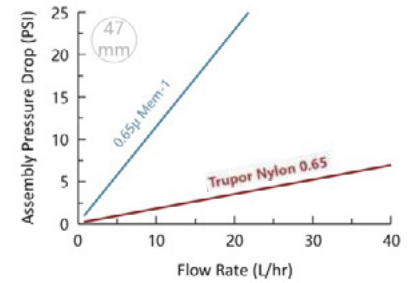
Trupor® 0.20 micron



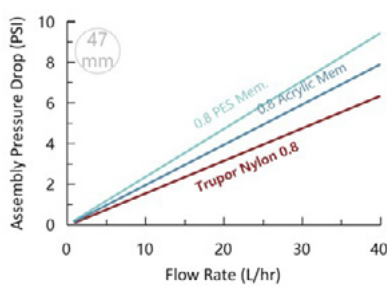
Trupor® 0.45 micron



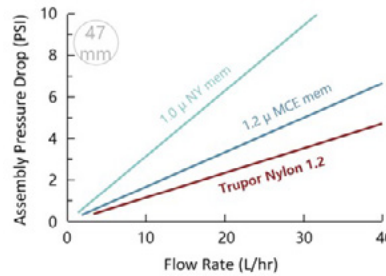
Trupor® 0.65 micron



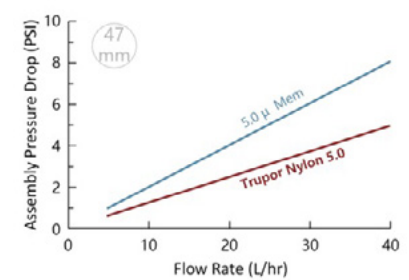
Trupor® 0.8 micron



Trupor® 1.2 micron



Trupor® 5 micron



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.

Today, H&V's advanced materials contribute to a cleaner world through their use in products that provide clean air, clean liquids, and energy storage. Our Company is headquartered in East Walpole, Massachusetts USA, with 13 manufacturing and research & development facilities in the Americas, Europe, China, and India.