

dexwet

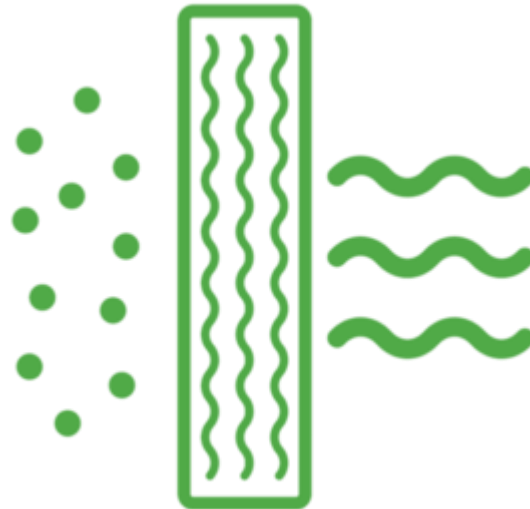
TRUE FILTER SOLUTIONS



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What is an Air Filter?

An air filter is a device that blocks particles from air that passes through it

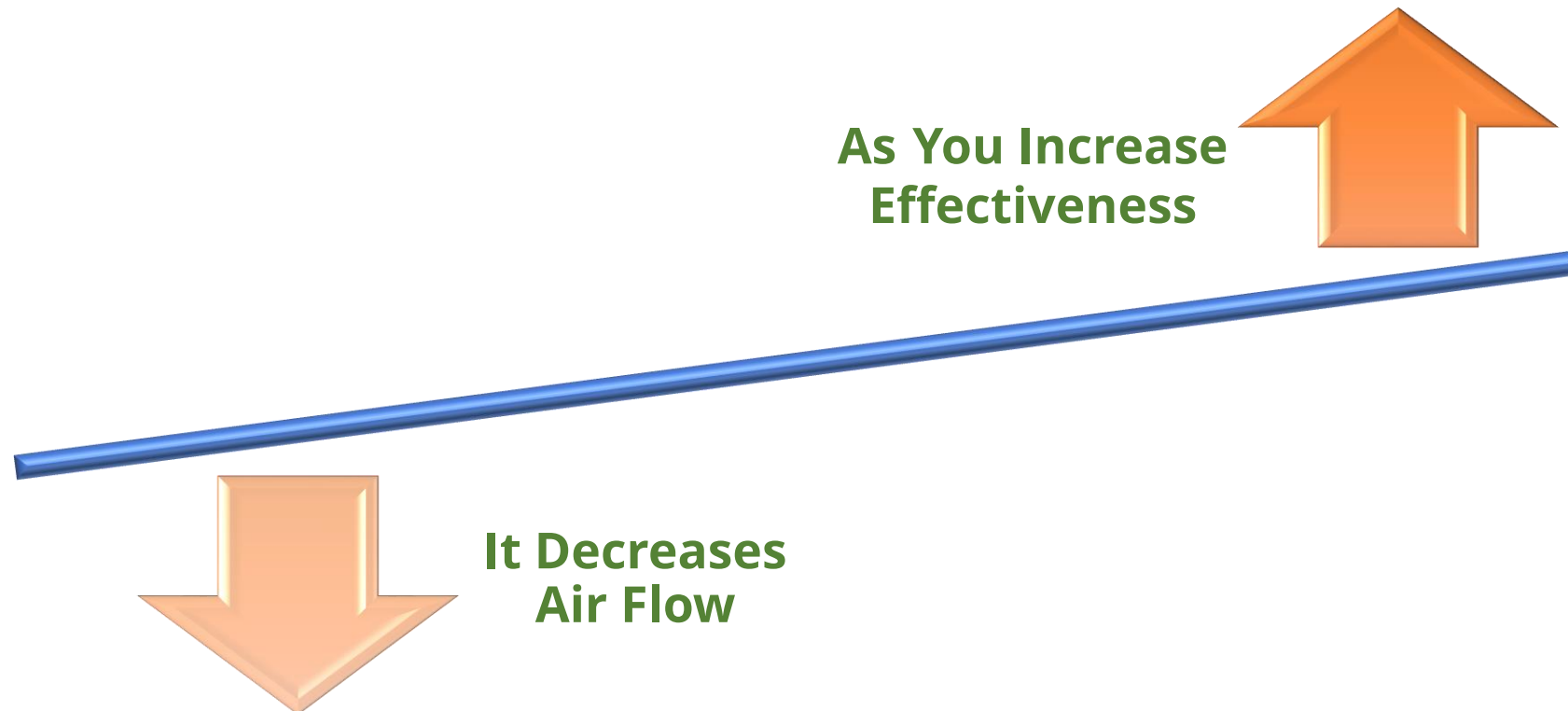


With this, the two main factors to determine the effectiveness of a filter are ***airflow & ability to block particles***



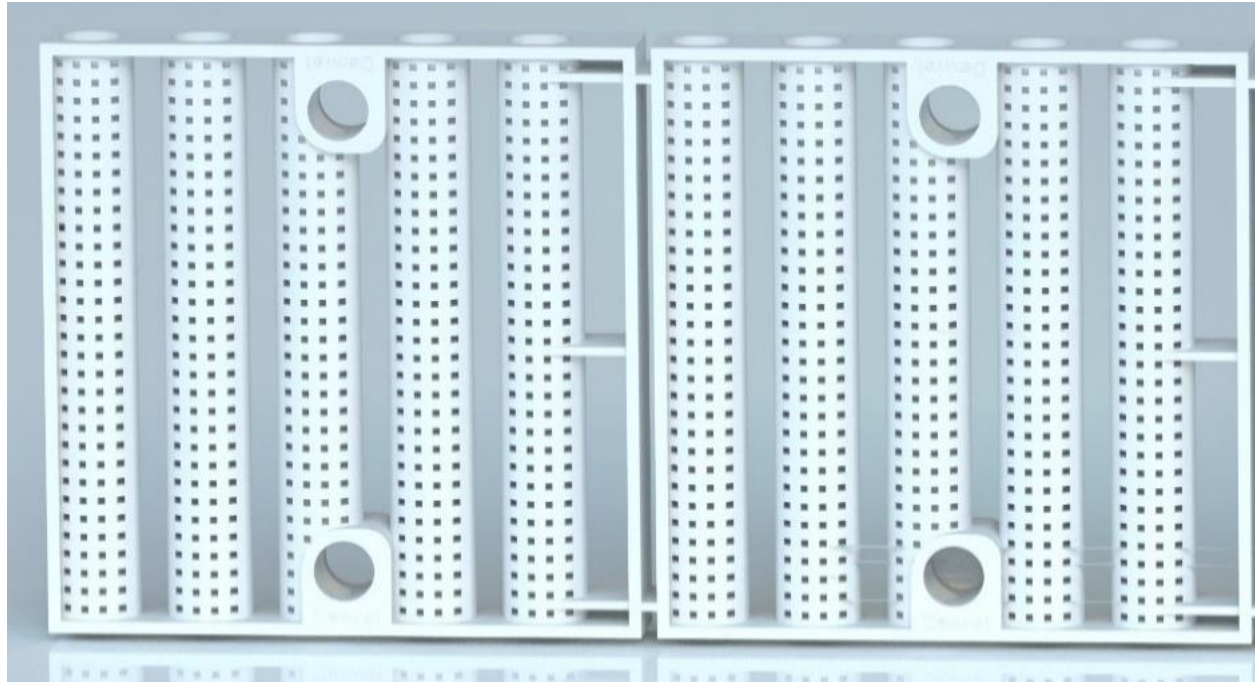
Problem of Conventional Air Filters

“HEPA (High-Efficiency Particle Air) Filters have not had many significant advancements since they were invented in the 1950s”



Design Solution

Dexwet Filters changed the typical filter design from a solid-porous filter to an open system with staggered filter rods



This revolutionary design allows air to simply flow around the staggered filters, thus allowing for almost ***unrestricted airflow***

Component Solution

Dexwet Filters added a medical-grade silicon oil solution to its staggered filters to create a **wet** filter



Surface tension attracts the smallest particulates, and they get stuck in the oil with the slightest contact

Our wet filter silica oil acts like flypaper

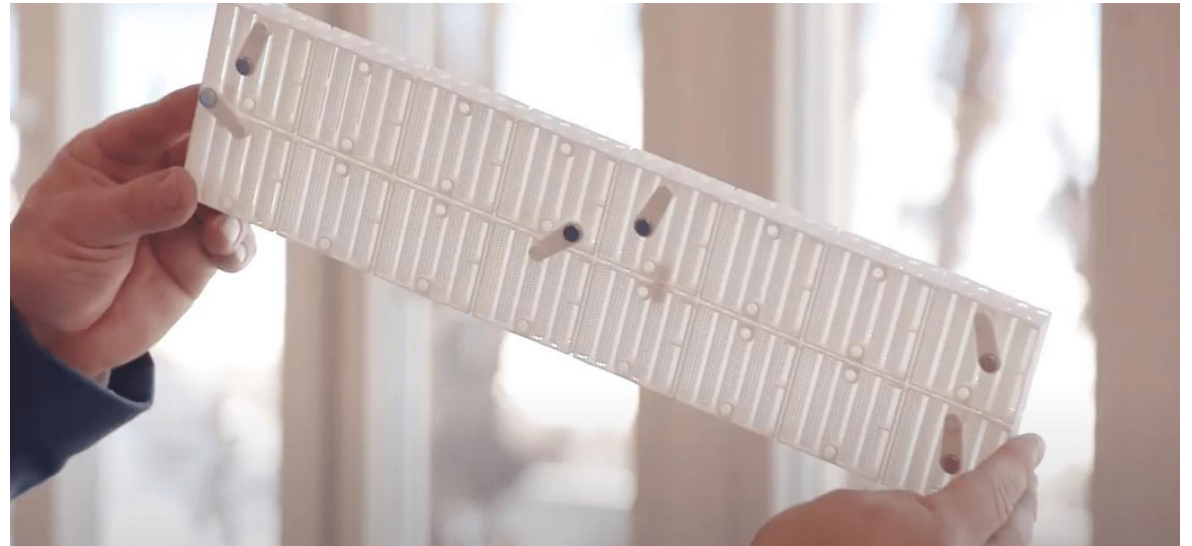


Easy Installation



Our filters are easily assembled
into any size configuration

and are simply installed
using magnets

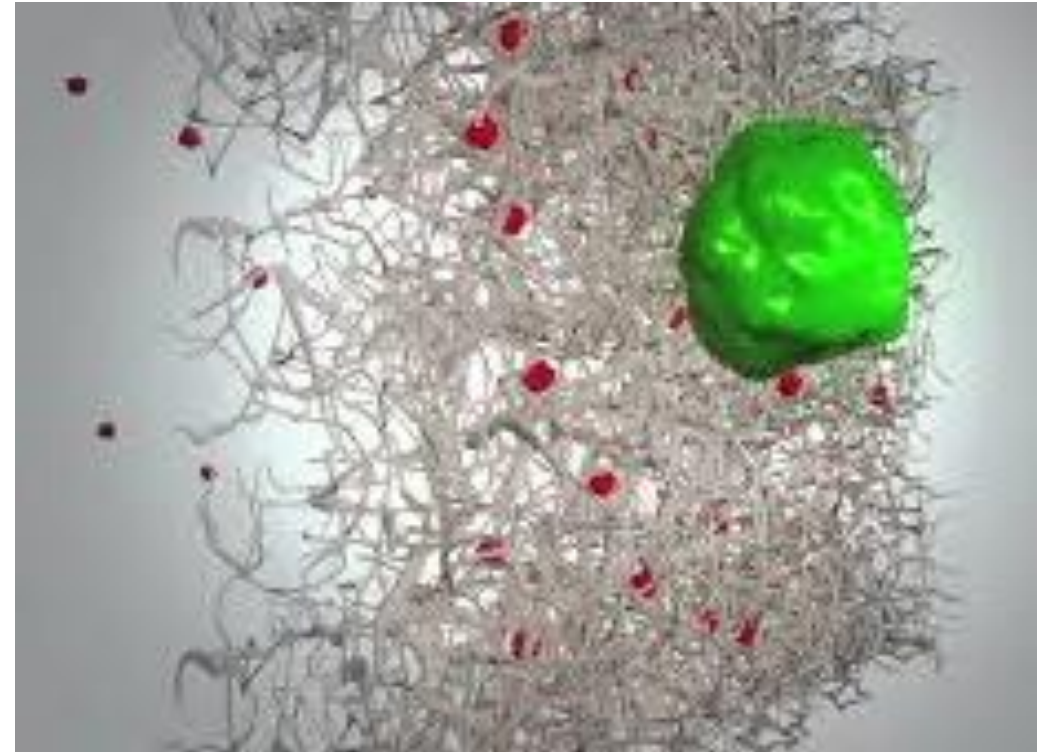


Component Added Solution

Dexwet Filters **wet** filter doesn't just block particles, it absorbs and **permanently binds** them into the oil



Conventional air filters do not SECURE particles



Billiard Ball Effect: When a larger particles hits a dirty filter and releases countless smaller particles previously captured by the filter

Sustainable Solution

Dexwet Filters are guaranteed for 5 years and can be re-used over and over for the life of the machine



Conventional air filters are disposable



Clean Dexwet's dirty filter in the dishwasher, re-apply our silicone oil, and reuse



Filter Comparison

<u>Description</u>	<u>Conventional Air Filters</u>	<u>Dexwet Air Filters</u>
Filtration Effectiveness	3 Months	1 Year
Release of Filtered Particles	Yes (Billiard Ball Effect)	No (Permanently Bonded in Oil)
Airflow Resistance*1 & *2	High*	Minimal**
Sustainable Product	No, Disposable	Yes, Reuse
Filter Material	Cotton, Polyester, Fiberglass	Cotton, Plastic, Metal, Ceramic, etc. (most any material)
Estimated Filter Cost	\$10 to \$50 Each Year	\$50 One Time Purchase

**With High Airflow Resistance larger compressors are required to force the air through the filter resulting in both higher machine cost and greater long-term energy use*

***With minimal airflow resistance, Dexwet Filters can be used on machines where conventional air filters had not been available. Dexwet Filters work from Convection Speed (Heat Radiators) up to Sonic Speed (Aluminum Die Casting Machines)*



Dexwet Filters

Thank you for your time

www.dexwetholdings.com