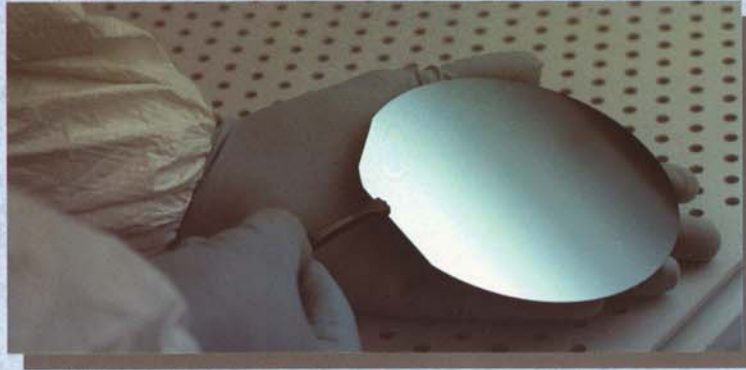


# When Clean Air Is Critical

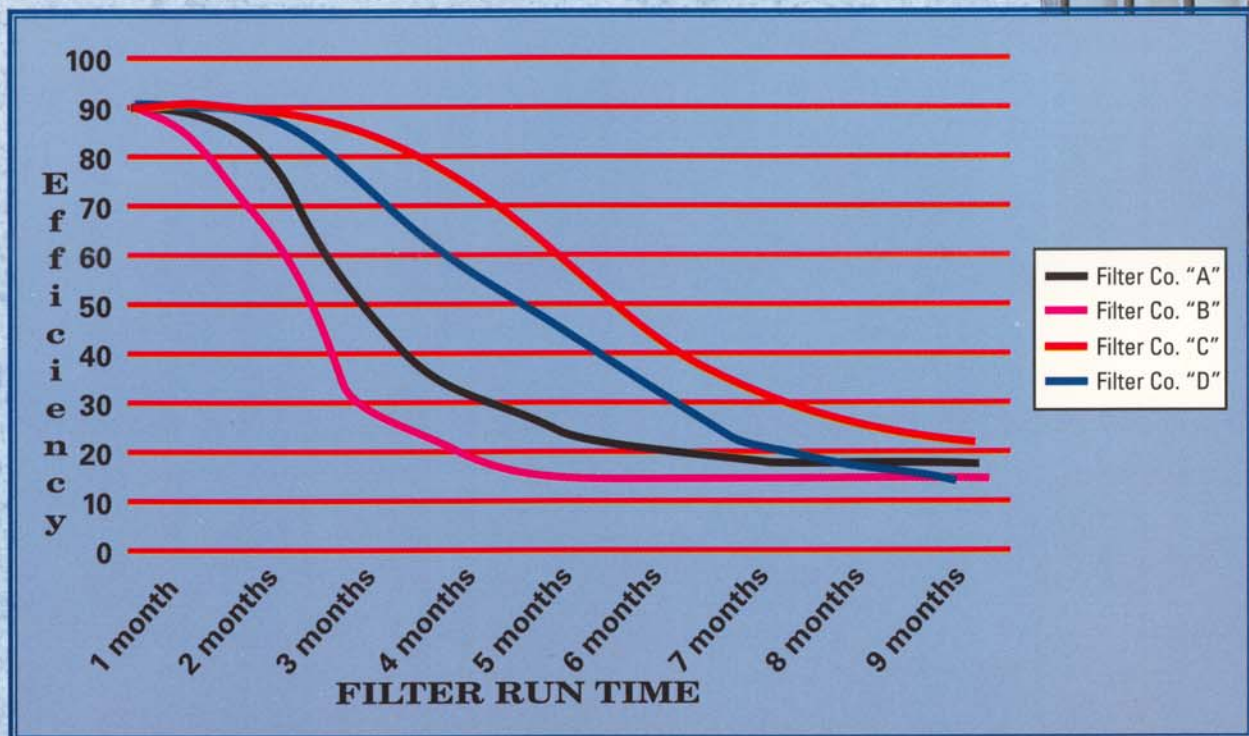
Welcome To The  
Next Generation  
In Synthetic Products

# PROBLEM

*Current extended surface pocket type filtration medias are not functionally acceptable in areas where clean air is a critical concern.*



Many synthetic medias lose the ability to eliminate target particulate after relatively brief exposure to ambient air. The Environmental Protection Agency and Research Triangle Institute along with several other groups are currently investigating this type of efficiency decay in general ventilation air filtration products.



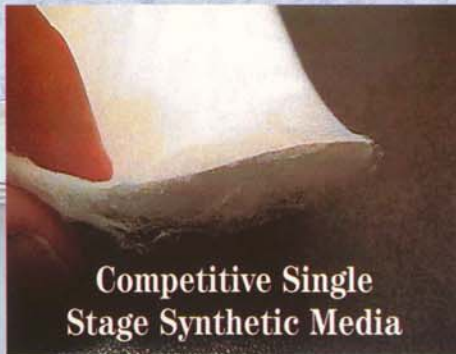
**Efficiency Degradation:** Actual (in field) case studies as graphically illustrated above, show a phenomenon known as efficiency degradation. Many pocket type products currently available lose the ability to perform at rated level after only short periods of ambient air exposure. Note how a 95% "clean" filter drops to less than 40% efficiency after 3 months of use.

**Lack of Particulate Retention:** Due to the lack of mechanical filtration properties inherent in common synthetic medias, smaller particulate shedding occurs after prolonged use.

# SOLUTION

*The Syn Pac XLII is manufactured to collect and retain target particulate*

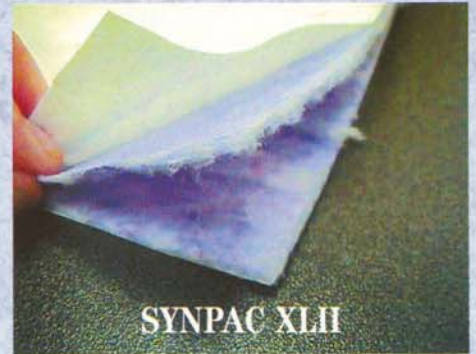
*Tri-Dim Filter Corporation's sensitivity to customer concerns and actual in-field air quality analysis led to the development of the SYN-PAC XLII product line. At Tri-Dim we are dedicated to provide clean air products that will perform "In Use".*



**Competitive Single Stage Synthetic Media**



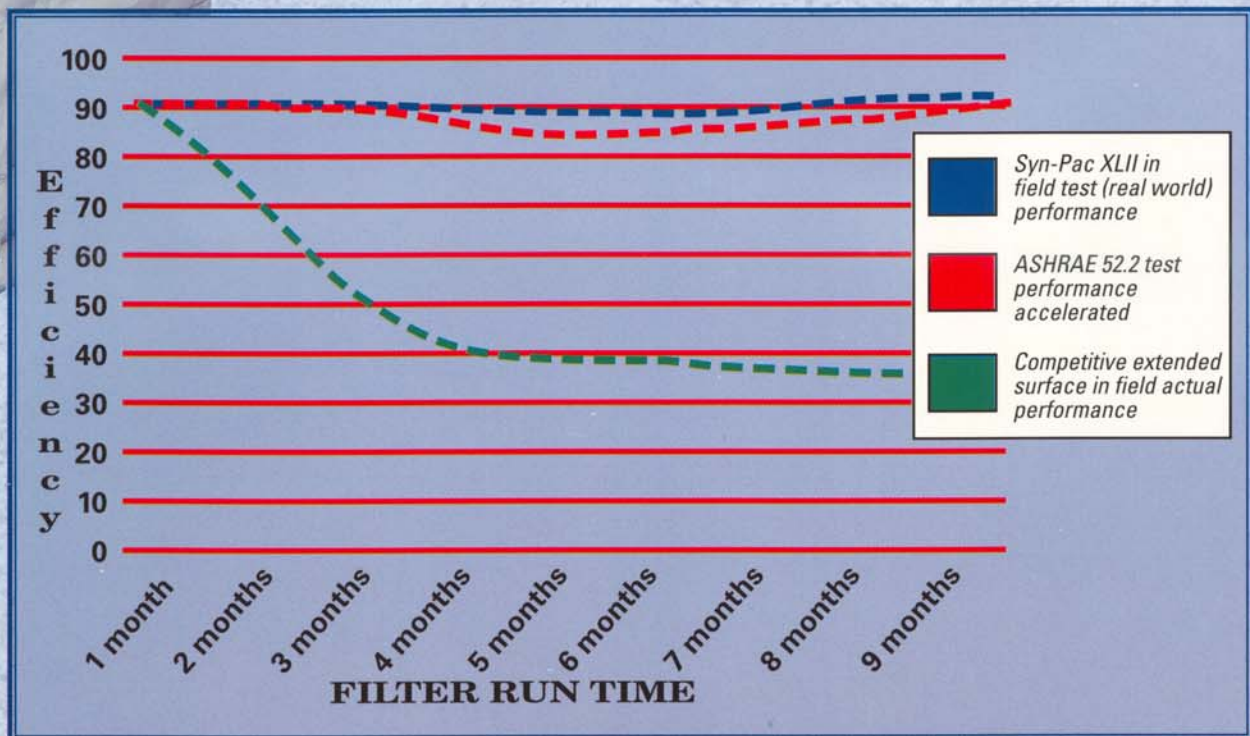
**SYNPAC A**



**SYNPAC XLII**

Tri-Dim Filter SYN PAC A (center) and new SYN PAC XLII (right) filtration media's illustrate superior media combinations, which greatly reduce the possibility of efficiency degradation.

Filtration performance is enhanced when media's work in harmony with general filtration principles.



Graphically illustrated the SYN PAC XLII, when tested in the field, actually out performed "test" filter performance. The SYN PAC XLII is possibly the only filter available to outperform minimum ASHRAE laboratory requirements.

*ASHRAE test analysis has promoted the development and marketing of products designed to perform in a test environment. These results are not always an accurate indication of real world performance.*

Tri-Dim Filter Corporation is committed to meeting its customers' expectations and needs with innovative products and services designed to provide "value in use". Tri-Dim will maintain excellence in product and service quality by encouraging an alliance of employees, customers and suppliers. This philosophy has placed us as the leader in the world of replacement air filtration as well as indoor air quality. The innovative products and services that we offer to each customer are unmatched in the industry:

- ▲ State-of-the-art ASHRAE testing facilities assure all products meet the most current ASHRAE test standards. This also allows us to provide a scientific approach to the market through the latest advancements. We are able to define product performance in our laboratory instead of trial and error in your facility.
- ▲ The ability to provide a complete product line. Tri-Dim's streamline manufacturing operation allows us to be a one-source supplier.
- ▲ National/International network of factory trained air filtration specialists allows us to serve your indoor air quality needs with unmatched care and expertise.
- ▲ Training seminars keep your engineering staff on the cutting edge of knowledge with regards to Indoor Air Quality and the latest in HVAC/air filtration standards.

- ▲ Within the United States Tri-Dim maintains five manufacturing facilities with over 150 factory trained air filtration specialists, making us one of the most thorough air filter manufacturers in the world.
- ▲ Online computer order entry system, allowing us to provide you with instant information.
- ▲ On site testing services. Our field representatives have the knowledge and expertise to perform particle count analysis, airflow resistance and velocity readings as well as Indoor Air Quality studies within your facility. *Our sales engineers understand the importance of system efficiency not just filter efficiency.*
- ▲ Onsite computer generated surveys, allowing your organization to have and maintain accurate and up to date records of each filter within every air handler.
- ▲ Customer satisfaction guarantee with every order.

## P E R F O R M A N C E   D A T A   T A B L E

Model No.	ASHRAE Efficiency	Nominal Size (WxHxD)	No. of Pockets	Rated Capacity C.F.M.			Initial Resistance			Recommended Final Resistance
				Low	Medium	High	Low	Medium	High	
S P	60-65	12x24x15	4	750	1000	1250	.29	.40	.63	1.50" W.G.
		12x24x22	4	750	1000	1250	.26	.46	.59	
		12x24x26	4	750	1000	1250	.25	.35	.48	
		12x24x30	4	750	1000	1250	.22	.33	.36	
		20x20x15	6	750	1000	1250	.29	.40	.53	
		20x20x22	6	1100	1400	1750	.26	.38	.51	
		20x20x26	6	1100	1400	1750	.25	.35	.48	
		20x20x30	6	1100	1400	1750	.22	.33	.48	
		20x24x15	6	1200	1600	2000	.29	.40	.55	
		20x24x26	6	1200	1600	2000	.26	.38	.53	
		20x24x22	6	1200	1600	2000	.26	.38	.53	
		20x24x26	6	1200	1600	2000	.25	.36	.50	
		20x24x30	6	1200	1600	2000	.22	.34	.48	
		24x24x15	8	1500	2000	2500	.29	.41	.55	
		24x24x22	8	1500	2000	2500	.25	.39	.53	
		24x24x26	8	1500	2000	2500	.25	.37	.52	
24x24x30	8	1500	2000	2500	.22	.35	.50			
X L	80-85	12x24x15	4	750	1000	1250	.40	.51	.68	1.50" W.G.
		12x24x22	4	750	1000	1250	.36	.49	.66	
		12x24x26	4	750	1000	1250	.34	.46	.60	
		12x24x30	4	750	1000	1250	.30	.44	.57	
		20x20x15	6	750	1000	1250	.40	.50	.68	
		20x20x22	6	1100	1400	1750	.35	.48	.66	
		20x20x26	6	1100	1400	1750	.34	.46	.61	
		20x20x30	6	1100	1400	1750	.30	.44	.58	
		20x24x15	6	1200	1600	2000	.40	.53	.69	
		20x24x22	6	1200	1600	2000	.36	.51	.67	
		20x24x26	6	1200	1600	2000	.32	.48	.62	
		20x24x30	6	1200	1600	2000	.30	.45	.59	
		24x24x15	8	1500	2000	2500	.40	.55	.68	
		24x24x22	8	1500	2000	2500	.36	.53	.64	
		24x24x26	8	1500	2000	2500	.42	.50	.62	
		24x24x30	8	1500	2000	2500	.30	.45	.59	
L I	90-95	12x24x15	4	750	1000	1250	.40	.51	.64	1.50" W.G.
		12x24x22	4	750	1000	1250	.37	.52	.61	
		12x24x26	4	750	1000	1250	.34	.49	.58	
		12x24x30	4	750	1000	1250	.31	.47	.55	
		20x20x15	6	750	1000	1250	.46	.56	.72	
		20x20x22	6	1100	1400	1750	.44	.54	.70	
		20x20x26	6	1100	1400	1750	.42	.53	.69	
		20x20x30	6	1100	1400	1750	.38	.50	.64	
		20x24x15	6	1200	1600	2000	.47	.62	.79	
		20x24x22	6	1200	1600	2000	.45	.60	.77	
		20x24x26	6	1200	1600	2000	.42	.58	.75	
		20x24x30	6	1200	1600	2000	.40	.57	.74	
		24x24x15	8	1500	2000	2500	.47	.65	.84	
		24x24x22	8	1500	2000	2500	.46	.62	.82	
		24x24x26	8	1500	2000	2500	.43	.59	.79	
		24x24x30	8	1500	2000	2500	.40	.57	.76	



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