

Technical Data Sheet

319 Chromate System

Two Stage System

Tri-Dim Filter Corporation
offers the Aerospace Industry ...

- Filters that exceed EPA's Test Method 319
- A nationwide factory trained sales organization
- A network of factory and warehouse locations
- Technical Support for NESHAP compliance

Method 319 Test Results

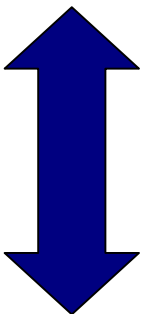
'Solid Phase' 319 Test Results
 Fractional Efficiency (%)

'Liquid Phase' 319 Test Results
 Fractional Efficiency (%)

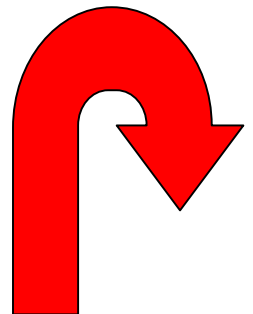
SIZE RANGE	319 RESULTS	NESHAP MIN.	SIZE RANGE	319 RESULTS	NESHAP MIN.
0.49-0.59	40.6%		0.31-0.37	32.3%	
0.59-0.73	45.8%		0.37-0.47	33.6%	
0.73-0.87	52.0%		0.47-0.56	36.2%	
0.87-1.16	58.9%		0.56-0.75	41.7%	
1.16-1.44	65.2%		0.75-0.94	47.5%	
1.44-2.14	69.3%		0.94-1.41	51.6%	
2.14-2.85	75.6%	>10%	1.41-1.88	58.7%	
2.85-4.25	81.0%		1.88-2.83	71.3%	>10%
4.25-5.55	85.5%	>50%	2.83-3.69	77.2%	>50%
5.55-7.07	87.8%		3.69-4.71	84.2%	>50%
7.07-7.66	91.2%		4.71-5.11	88.2%	
7.66-9.46	92.7%	>90%	5.11-6.29	92.2%	>90%
9.46-14.1	96.3%		6.29-9.43	97.0%	



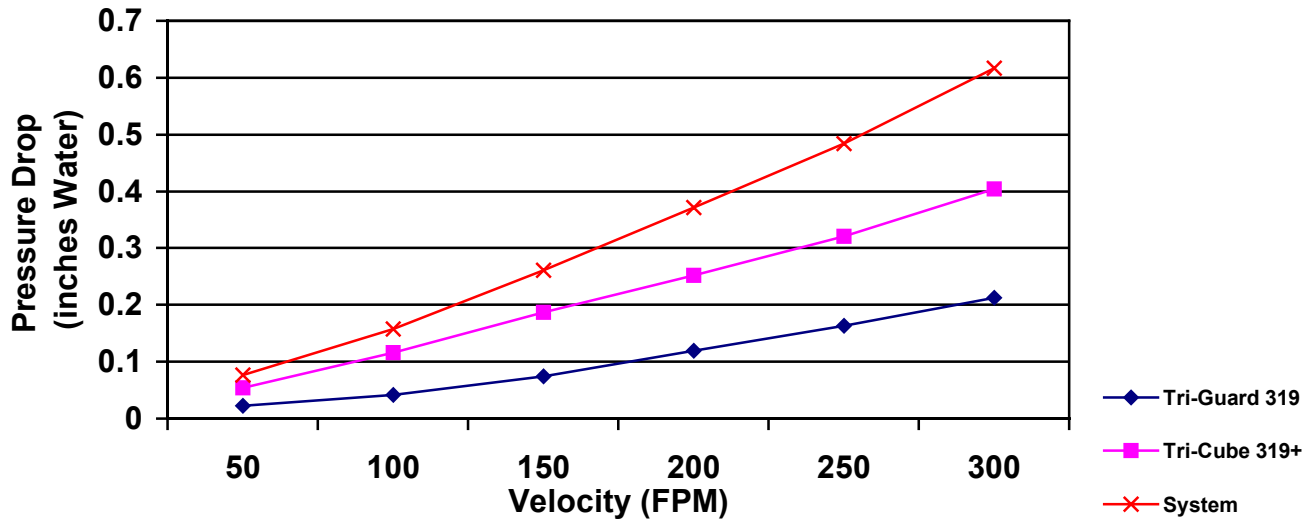
Vertical or 'Straight' Duct Testing Vs. Curved Duct Testing And Why You Should Care



Tri-Dim Filter Corporation has chosen to have our Chromate filters tested on a vertical test duct. Why? Tests have shown that a curved test duct may experience a loss of 50% of the test challenge, while in a vertical test duct virtually no test challenge is lost. This means that 50% of the challenge agent never makes it to the filter in a curved test duct making it easier for the filter to pass the test. However in a straight or vertical test duct nearly all the challenge agent reaches the filter. **Tri-Dim Filter Corporation is the first manufacturer to have a conventional two-stage system 319 certified in a straight duct test.**



Pressure Drop Vs. Flow Rate



Recommended Final Resistance

FIRST STAGE	TRI-GUARD 319	0.06" W.G.
SECOND STAGE	TRI-CUBE 319 PLUS	1.00" W.G.
SYSTEM TOTAL		1.60" W.G.

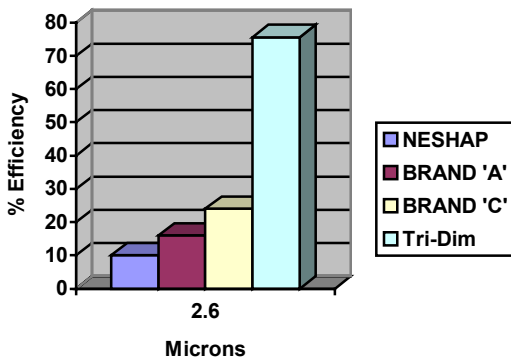
PAINT ARRESTANCE FILTER TEST REPORT RESULTS

TESTED ON CHROMATE PAINT

Initial Efficiency - 99.60% Average Efficiency - 99.63%

Air Velocity - 120 FPM

'Solid' Phase



Is Efficiency Important?

In the rush to comply with NESHAP has efficiency been overlooked? Tri-Dim Filter Corporation has been the industry leader in developing high efficiency filters. The charts provided show the efficiency at the smallest micron size regulated by NESHAP. These are the particles most likely to leave the booth and exit the plant. Long-term this could be an enormous liability. Tri-Dim not only meets the minimal efficiency standards of NESHAP but we offer filters that control the particles you are concerned about.

'Liquid' Phase

