

Tri-Dim's  
*319 System*  
Compliance ... Quality ... Value



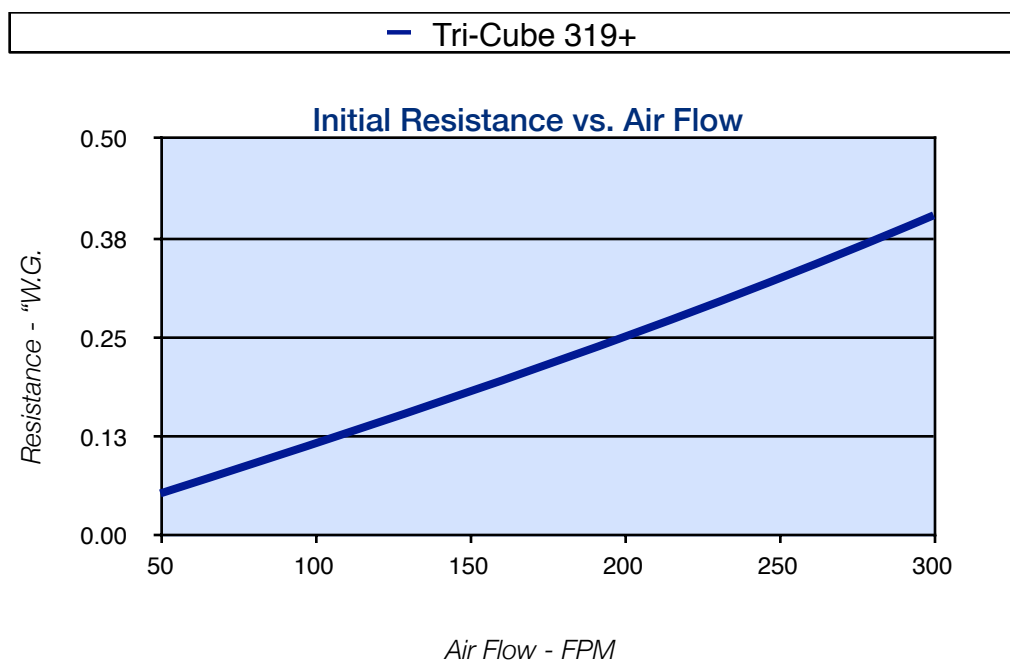
Tri-Dim's TRI-CUBE 319 PLUS Cube filters are designed for use in paint booth exhaust systems - specifically in NESHAP Chromate Paint Booths. They have been approved for use in 2-Stage NESHAP Booths by passing the rigorous 319 Test Method - see test results on page two.

The TRI-CUBE 319 PLUS filters are manufactured in a quality-controlled manufacturing facility ensuring the highest quality product available and are available in a wide range of standard and special sizes.

The TRI-CUBE 319 PLUS is a multi-denier, synthetic media, two pocket cube filter. The results of a paint arrestance test using chromate paint show the system (Tri-Guard 319 prefilter pad and Tri-Cube 319 PLUS) had an initial efficiency of 99.64% and

#### FEATURES:

- ☑ **Approved for use in 319 2-Stage Chromate Paint Systems**
- ☑ **Quality-Controlled Manufacturing Facility**
- ☑ **Initial Efficiency on Chromate Paint 99.53%**
- ☑ **Available in a Wide Range of Standard and Special Sizes**
- ☑ **Initial Resistance = 0.15" W.G. @ 120 FPM**



# TECHNICAL SPECIFICATIONS

Tri-Cube 319 Plus	
Media	Synthetic
Resistance to Airflow	0.13" WG @ 120 FPM 32 PA @ 0.61 m/sec
Final Resistance	1.00" WG 249 PA
Efficiency	MERV 12 @ 500 FPM

Test Aerosol: Oleic Acid, neutralized

Size Range µm	Fractional Efficiency (%)			
	1	2	3	Avg.
0.31-0.37	37.2	27.5	33.8	32.9
0.37-0.47	38.6	29.1	35.3	34.4
0.47-0.56	40.7	30.8	37.6	36.4
0.56-0.75	44.9	35.7	42.7	41.1
0.75-0.94	50.1	40.1	47.5	45.9
0.94-1.41	56.4	47.4	55	52.9
1.41-1.88	64.2	54.3	62.4	60.3
1.88-2.83	77.6	70.7	79	75.8
2.83-3.69	95.1	93.5	95.6	94.7
3.69-4.71	98.5	98.1	98.7	98.4
4.71-5.11	99.2	99.1	99.1	99.1
5.11-6.29	99.6	99.4	99.3	99.4
6.29-9.43	99.8	100	99.7	99.8

MINIMUM  
>10%

>50%

>90%

Test Aerosol: KCl, neutralized

Size Range µm	Fractional Efficiency (%)			
	1	2	3	Avg.
0.49-0.59	40.6	39.3	38.3	39.4
0.59-0.73	45.1	44.4	42.9	44.1
0.73-0.87	51.8	50.7	50.6	51
0.87-1.16	59.8	58.8	57	58.5
1.16-1.44	63.8	63.8	63.3	63.7
1.44-2.14	71.3	71.3	70	70.9
2.14-2.85	78.6	77.8	77.2	77.9
2.85-4.25	87.8	87.1	86.4	87.1
4.25-5.55	96.8	96.3	95.9	96.3
5.55-7.07	98.2	98.1	98	98.1
7.07-7.66	98.9	98.5	98.5	98.6
7.66-9.46	99.4	99.1	99.1	99.2
9.46-14.1	99.8	99.7	99.7	99.7

MINIMUM  
>10%

>50%

>90%

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. TRI-CUBE™ and TRI-GUARD™ are Trademarks of Tri-Dim Filter Corporation.



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## Local Representation:

Brochure # 2200-2  
 Revision: 06/2014



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