

# Tri-Cube 319+™

## 2-Stage 319 Aerospace

### FEATURES

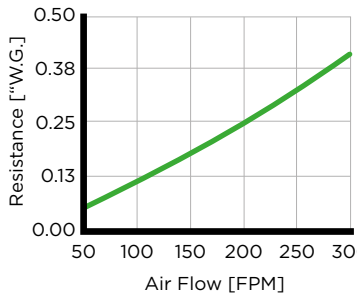
- Approved for use in 319 2-Stage Chromate Paint Systems
- Quality-controlled manufacturing facility
- 99.53% initial efficiency on Chromate Paint
- Available in a wide range of standard and special sizes
- Initial resistance = 0.15 "W.G. @ 120 FPM



Tri-Cube 319+™

### INITIAL RESISTANCE

vs. Air Flow



### SPRAY BOOTH SERIES

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.

Tri-Cube 319 Plus filters are manufactured in a quality-controlled manufacturing facility ensuring the highest quality standards, and are available in a wide range of standard and special sizes.

This two pocket cube filter uses a multi-denier, synthetic media for excellent performance. 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 an average efficiency of 99.53%.

### TECHNICAL SPECIFICATIONS

Product	Tri-Cube 319+
Media	Synthetic
Resistance to air flow	0.15" W.G. @ 120 FPM 32 Pa @ 0.61 m/sec
Final resistance	1.0 "W.G. (249 Pa)
Efficiency	MERV 12 @ 500 FPM

# Tri-Cube 319+™

## Technical Specification

### 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
<b>1.88 - 2.83</b>	<b>77.6</b>	<b>70.7</b>	<b>79</b>	<b>75.8</b>
2.83 - 3.69	95.1	93.5	95.6	94.7
<b>3.69 - 4.71</b>	<b>98.5</b>	<b>98.1</b>	<b>98.7</b>	<b>98.4</b>
4.71 - 5.11	99.2	99.1	99.1	99.1
<b>5.11 - 6.29</b>	<b>99.6</b>	<b>99.4</b>	<b>99.3</b>	<b>99.4</b>
6.29 - 9.43	99.8	100	99.7	99.8

Min. > 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
<b>2.14 - 2.85</b>	<b>78.6</b>	<b>77.8</b>	<b>77.2</b>	<b>77.9</b>
2.85 - 4.25	87.8	87.1	86.4	87.1
<b>4.25 - 5.55</b>	<b>96.8</b>	<b>96.3</b>	<b>95.9</b>	<b>96.3</b>
5.55 - 7.07	98.2	98.1	98	98.1
7.07 - 7.66	98.9	98.5	98.5	98.6
<b>7.66 - 9.46</b>	<b>99.4</b>	<b>99.1</b>	<b>99.1</b>	<b>99.2</b>
9.46 - 14.1	99.8	99.7	99.7	99.7

Min. > 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.

#### LOCAL REPRESENTATIVE