

Tri-Pleat LX11™

319 Aerospace

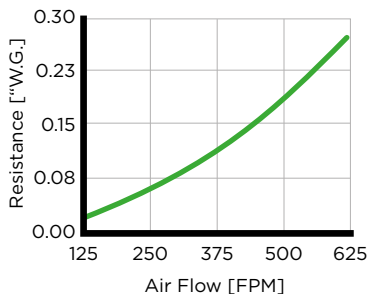
FEATURES

- Approved for use in 319 2-Stage Chromate Paint Systems
- Quality-controlled manufacturing facility
- Exceeds minimum efficiencies needed for 2-stage 319
- Available in a long list of standard sizes
- Special sizes available
- Initial resistance = 0.03 "W.G. @ 120 FPM



INITIAL RESISTANCE

vs. Air Flow



SPRAY BOOTH SERIES

Tri-Dim's Tri-Pleat LX11 319 filters are designed for use in paint booth exhaust systems—specifically NESHAP Chromate Paint Booths. Tri-Pleat LX11 319 has been approved for use in two-stage NESHAP booths by passing the rigorous 319 test method—see test results on page two. Not only did Tri-Pleat LX11 319 pass the Method 319 test—it far exceeded the minimum efficiencies needed to pass.

This pleated filter is manufactured in a quality-controlled manufacturing facility ensuring the highest product quality available. Tri-Pleat LX11 319 is available in a wide range of standard and special sizes to suit a variety of systems and installations.

Tri-Pleat LX11 319 utilizes a synthetic media, which delivers high holding capacity and high removal efficiencies. The initial resistance is just 0.03 "W.G. at 120 FPM.

TECHNICAL SPECIFICATIONS

Product	Tri-Pleat LX11
Media	Synthetic
Media velocity for test	120 FPM (0.61 m/sec)
Initial resistance to air flow	0.03 "W.G. @ 120 FPM 7 Pa @ 0.61 m/sec
Final resistance	1.0 "W.G. (249 Pa)
Efficiency ASHRAE 52.2	MERV 11 @ 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	31.4	31.3	30.7	31.1
0.37 - 0.47	35.6	35.3	35.7	35.5
0.47 - 0.56	41.9	41.4	41.6	41.6
0.56 - 0.75	46.4	46.5	47.3	46.7
0.75 - 0.94	52.9	52.5	52.1	52.5
0.94 - 1.41	60.6	61.2	60.9	60.9
1.41 - 1.88	67	66.5	66.4	66.6
1.88 - 2.83	73	73.5	73.4	73.3
2.83 - 3.69	79.4	80	79.9	79.8
3.69 - 4.71	89.3	89.5	90.3	89.7
4.71 - 5.11	94.1	94.5	94.3	94.3
5.11 - 6.29	95.8	96.1	96.3	96.1
6.29 - 9.43	98	98.4	98.5	98.3

Min. > 10%

> 50%

> 90%

TEST AEROSOL: KCL, NEUTRALIZED

Size Range (µm)	Fractional Efficiency (%)			
	1	2	3	Avg.
0.49 - 0.59	40.8	42.3	43	42
0.59 - 0.73	46	47.6	47.9	47.2
0.73 - 0.87	53.6	57.7	58.3	56.5
0.87 - 1.16	59.4	62.5	62.8	61.6
1.16 - 1.44	66.1	66.2	66.3	66.2
1.44 - 2.14	71.5	71.6	71.6	71.6
2.14 - 2.85	77.5	77.4	78.4	77.8
2.85 - 4.25	80.6	80.8	81	80.8
4.25 - 5.55	85.2	85.9	85.5	85.5
5.55 - 7.07	91.6	91.3	91.2	91.4
7.07 - 7.66	96.5	96.5	96.6	96.5
7.66 - 9.46	97.7	97.9	97.8	97.8
9.46 - 14.1	99.1	99.1	99	99.1

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