

Ultra 16/99 319

319 Aerospace

FEATURES

- Approved for use in 319 three-stage Chromate Paint Systems
- Rated temperature 160 °F
- Dual layer media
- Quality-controlled manufacturing facility
- Available in a long list of standard sizes
- Special sizes available
- Initial resistance 0.04 "W.G. @ 120 FPM



ULTRA 16/99 319

Tri-Dim's Ultra 16/99 319 V-cell filters are designed for use in paint booth exhaust systems—specifically NESHAP Chromate Paint Booths.

The Ultra 16/99 has been approved for use in three-stage NESHAP booths by passing the rigorous 319 Test Method—see test results on page two. Not only did the Ultra 16/99 319 pass the Method 319 test, it far exceeded the required minimum efficiencies.

The Ultra 16/99 319 V-cell filter is manufactured in a quality-controlled manufacturing facility to ensure the highest quality product available. And to meet a wide variety of installation types, Ultra 16/99 319 is available in three sizes, a full metal box style and a reverse-flow configuration.

Each Ultra 16/99 319 utilizes eight panels of synthetic media to maximize the filtration surface area. This delivers high dust holding capacity and removal efficiencies, while ensuring that initial resistance is only 0.04 "W.G. at 120 FPM.

TECHNICAL SPECIFICATIONS

Media	Synthetic
Media velocity for test	120 FPM (<i>0.61 m/sec</i>)
Resistance to air flow	0.04 "W.G. @ 120 FPM
Recommended final resistance	1.5 "W.G. (<i>373 Pa</i>)
Efficiency - ASHRAE 52.2	MERV 16

Meets ANSI/UL-900 requirements

Ultra 16/99 319 Specifications

TEST AEROSOL: OLEIC ACID, NEUTRALIZED

Size Range (µm)	Fractional Efficiency (%)			
	1	2	3	Avg.
0.31 - 0.37	97.3	96.1	89.7	94.4
0.37 - 0.47	98.1	97.4	91.4	95.6
0.47 - 0.56	98.5	97.8	92.5	96.3
0.56 - 0.75	99.1	98.3	93.5	97.0
0.75 - 0.94	99.3	98.5	94.5	97.4
0.94 - 1.41	99.4	98.6	95.2	97.7
1.41 - 1.88	99.4	98.7	96.0	98.0
1.88 - 2.83	99.5	98.8	96.9	98.4
2.83 - 3.69	99.6	99.2	98.2	99.0
3.69 - 4.71	99.8	99.8	99.4	99.7
4.71 - 5.11	100	100	100	100
5.11 - 6.29	100	100	100	100
6.29 - 9.43	100	100	100	100

Min. > 65%

> 80%

> 95%

TEST AEROSOL: KCL, NEUTRALIZED

Size Range (µm)	Fractional Efficiency (%)			
	1	2	3	Avg.
0.49 - 0.59	96.0	97.9	97.7	97.2
0.59 - 0.73	96.6	98.4	98.4	97.8
0.73 - 0.87	97.2	98.9	98.9	98.3
0.87 - 1.16	97.5	99.1	99.1	98.6
1.16 - 1.44	98.4	99.2	99.3	99.0
1.44 - 2.14	98.5	99.3	99.4	99.1
2.14 - 2.85	98.8	99.3	99.5	99.2
2.85 - 4.25	99.1	99.4	99.6	99.4
4.25 - 5.55	99.2	99.5	99.7	99.5
5.55 - 7.07	99.6	99.8	99.9	99.8
7.07 - 7.66	100	100	100	100
7.66 - 9.46	100	100	100	100
9.46 - 14.1	100	100	100	100

Min. > 75%

> 85%

> 95%

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