

# Syn-Pac 85A™

## 319 Aerospace

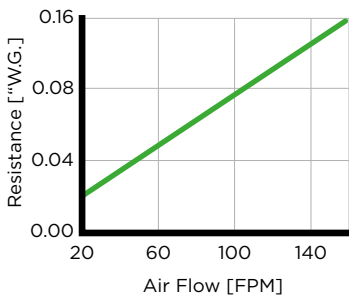
### FEATURES

- Approved for use in 319 3-stage chromate paint systems
- Rated temperature 150 - 175 °F
- Dual layer media
- Quality-controlled manufacturing facility
- Available in a long list of standard sizes
- Special sizes available
- Initial resistance 0.12 "W.G. @ 120 FPM



### 20 x 20 x 15 6-POCKET

Resistance to Airflow



### SPRAY-BOOTH SERIES

Tri-Dim's Syn-Pac 85A 319 bag filters are designed for use in paint-booth exhaust systems—specifically in NESHAP chromate paint booths.

The Syn-Pac 85A has been approved for use in 3-stage NESHAP booths by passing the rigorous 319 test method - see the test results on page two. Not only did the Syn-Pac 85A 319 pass the Method 319 test—it far exceeded the minimum efficiencies needed to pass.

Syn-Pac 85A 319 is available in a wide range of sizes, depths and pocket configurations, and is manufactured in a quality-controlled manufacturing facility for the highest quality standards.

The Syn-Pac 85A 319 utilizes two distinctive layers of media to provide a high holding capacity and removal efficiencies. The media also delivers a low initial resistance of just 0.12 "W.G. at 120 FPM.

### TECHNICAL SPECIFICATIONS

<b>Media construction</b>	Synthetic
<b>Media velocity for test</b>	120 FPM (0.61 m/s)
<b>Initial resistance to air flow</b>	0.12 "W.G. @ 120 FPM (30 Pa @ 0.61 m/s)
<b>Final resistance</b>	1.5 "W.G. (373 Pa)
<b>Efficiency ASHRAE 52.2</b>	MERV 14 @ 492 FPM

Meets ANSI/UL-900 requirements

# Syn-Pac 85A™ Specifications

## TEST AEROSOL: OLEIC ACID, NEUTRALIZED

Size Range (µm)	Fractional Efficiency (%)			
	1	2	3	Avg.
0.31 - 0.37	80.4	81	81.3	80.9
<b>0.37 - 0.47</b>	<b>83.8</b>	<b>83.7</b>	<b>83.2</b>	<b>83.6</b>
0.47 - 0.56	85.6	85.2	85.5	85.4
0.56 - 0.75	87.3	87.1	87.6	87.3
0.75 - 0.94	91.4	92.4	92.1	92
<b>0.94 - 1.41</b>	<b>94.5</b>	<b>95.2</b>	<b>95.6</b>	<b>95.1</b>
1.41 - 1.88	96.5	97.6	97.7	97.4
<b>1.88 - 2.83</b>	<b>97.5</b>	<b>98.4</b>	<b>98.7</b>	<b>98.2</b>
2.83 - 3.69	98.1	98.9	99	98.7
3.69 - 4.71	99.1	99.2	99.2	99.1
4.71 - 5.11	99.7	99.7	99.8	99.7
5.11 - 6.29	99.9	99.9	99.9	99.9
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	88.4	89	88.2	88.5
<b>0.59 - 0.73</b>	<b>90.9</b>	<b>91.6</b>	<b>89.8</b>	<b>90.8</b>
0.73 - 0.87	92.9	93.2	92.8	93
<b>0.87 - 1.16</b>	<b>95.3</b>	<b>95.2</b>	<b>94</b>	<b>94.8</b>
1.16 - 1.44	97.1	97.1	96.8	97
1.44 - 2.14	97.7	97.8	97.4	97.6
<b>2.14 - 2.85</b>	<b>98.5</b>	<b>98.8</b>	<b>98.4</b>	<b>98.6</b>
2.85 - 4.25	98.7	98.8	98.5	98.7
4.25 - 5.55	98.8	99	98.9	98.9
5.55 - 7.07	99.2	99.2	99	99.2
7.07 - 7.66	99.6	99.5	99.5	99.5
7.66 - 9.46	99.8	99.7	99.8	99.8
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