

sample code: FO
 tow item: 1,8/42,000
 tube id/od: 1,18/1,24

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3,0/35,000

0% ventilation

puff	tpm, exp	tpm, cal	norm		
1	1.3	1.27	1.34	1.25	1.44
2	1.8	1.60	1.70	1.56	1.80
3	1.9	1.72	1.85	1.67	1.92
4	2.0	1.89	2.04	1.82	2.10
5	2.1	2.12	2.32	2.02	2.33
6	2.4	2.45	2.71	2.32	2.67
7	3.4	2.93	3.27	2.75	3.17
8	4.4	3.63	4.11	3.37	3.80
tot	19.3	17.62	19.35	16.76	
ΔP_4°		8.51	7.26	9.34	
α_0		.025	.011	.035	

30% ventilation

puff	tpm, exp	tpm, cal			
1	.9	.86	.88	.86	.95
2	1.4	1.10	1.14	1.10	1.21
3	1.6	1.20	1.26	1.19	1.31
4	1.5	1.35	1.43	1.32	1.45
5	1.7	1.54	1.66	1.50	1.65
6	1.8	1.82	1.98	1.75	1.93
7	2.0	2.22	2.45	2.11	2.32
8	2.8	2.81	3.15	2.63	2.89
tot	13.7	12.89	13.96	12.45	
ΔP_4°		7.12	6.16	7.76	
α_0		.025	.011	.035	

2073125110

sample code: FP
tow item: 1.8/42000
tube id/od: 1.08/1.20

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal			
1	1.3	1.25	1.37	1.22	1.54
2	1.9	1.57	1.75	1.53	1.94
3	2.2	1.69	1.90	1.63	2.06
4	2.1	1.86	2.11	1.78	2.25
5	2.4	2.09	2.41	1.98	2.51
6	2.8	2.42	2.82	2.27	2.87
7	3.5	2.89	3.43	2.70	3.42
8	4.6	3.59	4.31	3.31	4.19
tot	20.8	17.36	20.11	16.43	
ΔP_4^0		8.76	6.83	9.67	
α_0		.025	.005	.035	

30% ventilation

puff	tpm, exp	tpm, cal			
1	1.0	.89	.84	.91	.98
2	1.4	1.16	1.08	1.19	1.30
3	1.6	1.29	1.18	1.33	1.45
4	1.8	1.47	1.32	1.52	1.66
5	2.1	1.71	1.51	1.77	1.94
6	2.2	2.05	1.78	2.14	2.34
7	2.7	2.56	2.18	2.67	2.92
8	3.6	3.30	2.76	3.47	3.79
tot	16.4	14.4	12.65	15.01	
ΔP_4^0		5.83	7.31	5.46	
α_0		.005	.025	.035	

2073125111

sample code: FQ
 tow item: 1.8/42,000
 tube id/od: .86/1.27

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal			NORM
1	1.0	1.25	1.20	1.20	1.07
2	1.3	1.56	1.51	1.51	1.35
3	1.6	1.66	1.60	1.62	1.44
4	1.7	1.78	1.73	1.78	1.58
5	1.8	1.95	1.92	1.99	1.77
6	1.9	2.19	2.17	2.30	2.05
7	2.4	2.54	2.54	2.73	2.43
8	3.0	3.01	3.06	3.37	3.00
tot	14.7	15.95	15.73	16.50	
ΔP_4°		12.92	11.77	9.59	
α_0		.070	.055	.035	

30% ventilation

puff	tpm, exp	tpm, cal			
1	.8	.92	.86	.82	.68
2	1.1	1.16	1.09	1.05	.87
3	1.2	1.25	1.18	1.15	.95
4	1.2	1.36	1.30	1.28	1.06
5	1.4	1.52	1.46	1.46	1.21
6	1.2	1.74	1.68	1.72	1.42
7	1.5	2.05	2.00	2.08	1.72
8	1.7	2.48	2.46	2.61	2.16
tot	10.1	12.49	12.23	12.17	
ΔP_4°		10.52	9.63	8.26	
α_0		.070	.055	.035	

2073125112

sample code: FR
 tow item: 1.8/42,000
 tube id/od: 1.14/1.57

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal			norm'd
1	1.1	1.41	1.38	1.37	1.02
2	1.3	1.79	1.76	1.75	1.30
3	1.5	1.95	1.92	1.91	1.42
4	1.7	2.18	2.15	2.14	1.59
5	1.8	2.51	2.48	2.49	1.85
6	2.1	3.00	2.98	3.00	2.22
7	2.7	3.73	3.72	3.79	2.81
8	—	—	—	—	—
tot	12.2	16.58	16.40	16.48	
ΔP_4°		8.94	8.52	8.04	
α_0		.055	.045	.035	

30% ventilation

puff	tpm, exp	tpm, cal	mag	N/L		
1	.9	.98	.98	.60	.95	.66
2	1.0	1.26	1.27	.78	1.22	.85
3	1.2	1.37	1.42	.87	1.34	.93
4	1.2	1.53	1.62	1.00	1.50	1.04
5	1.2	1.73	1.90	1.17	1.71	1.19
6	1.4	2.03	2.29	1.41	2.01	1.40
7	1.5	2.44	2.87	1.77	2.44	1.70
8	1.5	3.04	3.72	2.39	3.06	2.13
tot	9.9	14.38	16.69		14.23	
ΔP_4°		7.11			6.74	
α_0		.045			.035	

2073125113

sample code: FS
tow item: 1.8/42,000
tube id/od: 1.19/1.70

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>norm'd</u>
1	1.3	1.42	1.22
2	1.5	1.79	1.51
3	1.6	1.93	1.66
4	1.8	2.11	1.82
5	1.9	2.37	2.04
6	2.6	2.74	2.36
7	2.8	3.26	2.81
8	3.4	4.01	3.46
tot	16.9	19.62	
ΔP_4^0		7.51	
α_0		.035	

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>norm'd</u>
1	.8	.99	.73
2	1.3	1.28	.95
3	1.4	1.40	1.04
4	1.5	1.57	1.16
5	1.4	1.80	1.33
6	1.3	2.12	1.57
7	1.6	2.57	1.91
8	1.8	3.24	2.40
tot	11.1	14.96	
ΔP_4^0			
α_0			

2073125114

sample code: FT
tow item: 1.8/2,000
tube id/od: 1.57/2.08

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N</u>
1	1.4	1.56	1.51
2	2.0	1.97	1.91
3	2.2	2.13	2.06
4	2.2	2.35	2.28
5	2.4	2.65	2.57
6	3.0	3.08	2.98
7	3.8	3.68	3.57
8	4.3	4.55	4.41
tot	21.3	21.98	
ΔP_4^0		6.02	
α_0		.035	

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N</u>
1	1.2	1.03	1.10
2	1.8	1.33	1.42
3	1.9	1.47	1.57
4	2.0	1.66	1.77
5	2.3	1.92	2.05
6	2.3	2.28	2.44
7	2.5	2.81	3.00
8	3.2	3.57	3.81
tot	17.2	16.07	
ΔP_4^0		6.65	
α_0		.035	

2073125115

sample code: GF
tow item: 3.0/35,000
tube id/od: 1.14/1.57

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal	N
1	1.6	1.42	1.25
2	1.9	1.81	1.60
3	1.9	1.96	1.73
4	2.1	2.17	1.92
5	2.4	2.47	2.18
6	2.6	2.88	2.54
7	2.8	3.49	3.08
8	3.1	4.37	3.86
tot	18.2	20.57	
ΔP_4^0		6.56	
α_0		1.035	

30% ventilation

puff	tpm, exp	tpm, cal	N
1	.9	.94	.81
2	1.3	1.22	1.06
3	1.4	1.36	1.18
4	1.5	1.54	1.33
5	1.7	1.79	1.55
6	1.8	2.14	1.85
7	2.0	2.65	2.30
8	2.4	3.40	2.95
tot	13.0	15.03	
ΔP_4^0		5.60	
α_0		1.035	

2073125116

sample code: GG
tow item: 5.0/35000
tube id/od: 114/157

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	1.2	1.50	1.36
2	1.8	1.92	1.74
3	1.9	2.09	1.89
4	2.3	2.33	2.11
5	2.6	2.66	2.41
6	3.0	3.12	2.82
7	3.5	3.80	3.44
8	3.8	4.80	4.35
tot	20.1	22.21	
ΔP_4°		5.67	
α_o		.035	

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	.9	.98	.87
2	1.2	1.27	1.13
3	1.4	1.42	1.26
4	1.8	1.62	1.44
5	1.8	1.90	1.69
6	2.1	2.29	2.03
7	2.3	2.87	2.55
8	2.8	3.72	3.3
tot	14.3	16.09	
ΔP_4°		4.93	
α_o		.035	

2073125117

sample code: G#
 tow item: 3.0/35,000
 tube id/od: .86/1.37

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal	N/d
1	1.1	1.33	1.09
2	1.5	1.71	1.40
3	1.9	1.90	1.56
4	2.1	2.16	1.77
5	2.1	2.55	2.09
6	2.4	3.13	2.57
7	2.7	4.04	3.32
8	—	—	—
tot	13.8	11.81	—
ΔP_4^0	—	—	—

α_0

2073125118

30% ventilation

puff	tpm, exp	tpm, cal	N/d	$d_{tr} = .80$	N/d	α_{tr}	N/d
1	.7	.87	.71	.82	.67	.81	.67
2	1.1	1.13	.92	1.16	.95	1.15	1.95
3	1.1	1.25	1.02	1.29	1.06	1.27	1.05
4	1.5	1.42	1.16	1.46	1.20	1.44	1.19
5	1.5	1.65	1.35	1.68	1.38	1.67	1.38
6	1.6	1.98	1.62	1.99	1.64	1.98	1.64
7	1.8	2.46	2.01	2.43	2.00	2.41	2.00
8	2.1	3.17	2.59	3.03	2.49	3.02	2.50
tot	11.4	13.93	—	13.85	—	13.75	—
ΔP_4^0	—	6.36	—	—	—	—	—
α_0	—	.035	—	—	—	—	—

sample code: G-I
tow item: 5.0/35,000
tube id/od: 1.86/1.27

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N₂</u>
1	1.0	1.44	1.28
2	1.7	1.85	1.64
3	1.9	2.02	1.79
4	2.2	2.25	2.00
5	2.4	2.57	2.28
6	2.7	3.03	2.69
7	3.4	3.69	3.27
8	3.8	4.17	4.14
tot	19.1	21.53	
ΔP_4°		6.24	
α_0		1035	

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	
1	.6	.93	.81
2	1.3	1.21	1.05
3	1.4	1.36	1.18
4	1.7	1.55	1.35
5	1.9	1.82	1.58
6	2.0	2.20	1.91
7	2.2	2.76	2.40
8	2.3	3.59	3.12
tot	13.4	15.43	
ΔP_4°		5.37	
α_0		1035	

2073125119

sample code: GI
 tow item: 3.0/35,000
 tube id/od: 1.19/1.70

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3.0/35,000

0% ventilation

puff	tpm, exp	tpm, cal	N'd
1	1.1	1.45	1.35
2	1.7	1.84	1.72
3	2.1	2.01	1.88
4	2.2	2.22	2.07
5	2.5	2.52	2.35
6	2.8	2.95	2.75
7	3.2	3.56	3.32
8	4.0	4.46	4.16
tot	19.6	21.01	
ΔP_4^0		6.27	
α_0		1.035	

30% ventilation

puff	tpm, exp	tpm, cal	
1	1.0	.97	.99
2	1.4	1.25	1.27
3	1.8	1.39	1.41
4	1.8	1.58	1.61
5	2.1	1.83	1.86
6	2.2	2.20	2.24
7	2.4	2.72	2.75
8	3.0	3.56	3.56
tot	15.7	15.44	
ΔP_4^0		5.38	
α_0		1.035	

2073125120

sample code: G-K
 tow item: 510735,000
 tube id/od: 1.19/1.70

inner: 20mm x 24mm
 outer: 7mm x 24mm
 outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	1.2	1.52	1.41
2	1.7	1.94	1.79
3	2.0	2.12	1.96
4	2.4	2.36	2.18
5	2.8	2.69	2.49
6	2.9	3.16	2.92
7	3.6	3.84	3.55
8	4.2	4.85	4.48
tot	20.8	<u>22.47</u> 5.138	
ΔP_4^0		1.035	
α_0			

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	.9	.99	.90
2	1.3	1.29	1.18
3	1.5	1.45	1.32
4	1.7	1.65	1.50
5	1.9	1.93	1.76
6	2.1	2.33	2.12
7	2.5	2.91	2.65
8	3.0	3.78	3.45
tot	14.9	<u>16.34</u>	
ΔP_4^0		4.78	
α_0		1.035	

2073125121

sample code: GL
tow item: 3.0/35,000
tube id/od: 1.57/2.08

inner: 20mm x 24mm
outer: 7mm x 24mm
outer tow: 3.0/35,000

0% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	1.2	1.55	1.43
2	1.9	1.99	1.84
3	2.1	2.21	2.04
4	2.5	2.51	2.32
5	2.9	2.95	2.73
6	3.3	3.62	3.35
7	4.1	4.15	4.30
8	—		
tot	18.0	19.46	
ΔP_{\pm}°		.535	
α_0		.035	

30% ventilation

<u>puff</u>	<u>tpm, exp</u>	<u>tpm, cal</u>	<u>N'd</u>
1	0.7	1.04	1.00
2	1.5	1.36	1.31
3	1.6	1.51	1.46
4	1.8	1.71	1.65
5	1.9	1.99	1.92
6	2.4	2.39	2.30
7	2.8	2.96	2.85
8	3.5	3.80	3.66
tot	16.2	16.76	
ΔP_{\pm}°		4.66	
α_0		.035	

2073125122