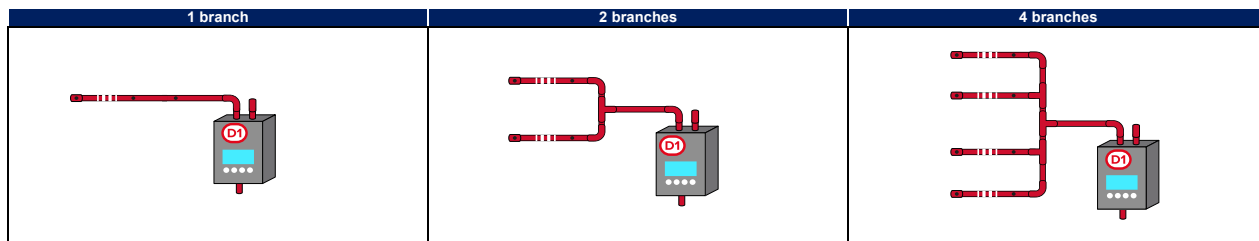


Table A1

Detection class	A
Number of detectors	1
Anti-dust filter	No
Condensation trap	No

D1 | detector 1 module

Øn	diameter of the hole "n" (mm)
S	detection sensitivity (10 ⁻⁵ dB/m)
V	aspiration speed (RPM)
F	expected airflow (l/min)
B	air aspiration balancing between the holes (%)
T	transit time of the smoke (s)



Number of branches	Length of branches (m)	parameters	Number of holes for each branch							
			1	2	3	4	5	6	7	8
1	60 ÷ 90	Ø	Ø 1: 10	Ø 1: 5 Ø 2: 10	Ø 1: 3.5 Ø 2: 4 Ø 3: 5.5	Ø 1: 3.5 Ø 2.3: 4 Ø 4: 6	Ø 1: 3.5 Ø 2: 4 Ø 3: 4.5 Ø 4: 5 Ø 5: 7.5	Ø 1: 3 Ø 2.3: 3.5 Ø 4.5: 4 Ø 6: 5.5	Ø 1: 3 Ø 2.3: 3.5 Ø 4.5: 4 Ø 6: 4.5 Ø 7: 5.5	
		S	2500	903	641	476	421	343	302	
		V	3000	3000	3500	3750	4000	4250	4500	
		F	23.6	30	31.8	37.4	44.6	50.1	53	
		B	100	60	57	53	62	58	69	
		T	57	59	64	62	60	56	61	
1	30 ÷ 60	Ø	Ø 1: 10	Ø 1: 5.5 Ø 2: 10	Ø 1: 4 Ø 2: 4.5 Ø 3: 6	Ø 1.2: 4 Ø 3: 4.5 Ø 4: 6	Ø 1.3: 3.5 Ø 4: 4 Ø 5: 5	Ø 1.2: 3 Ø 3.5: 3.5 Ø 6: 4.5	Ø 1: 3 Ø 2.4: 3.5 Ø 5.6: 4 Ø 7: 4.5	Ø 1.2: 3 Ø 3.5: 3.5 Ø 6.8: 4
		S	2500	854	650	493	397	334	300	260
		V	2000	2000	2250	2250	2500	2500	2750	3250
		F	17.1	22.2	23.9	27.7	30.7	30.3	37.4	44.2
		B	100	68	66	63	59	60	75	83
		T	47	49	53	53	51	55	52	49
1	15 ÷ 30	Ø	Ø 1: 5	Ø 1: 3.5 Ø 2: 4.5	Ø 1.2: 3.5 Ø 3: 4.5	Ø 1.3: 3 Ø 4: 4	Ø 1.4: 3 Ø 5: 4	Ø 1.5: 3 Ø 6: 4	Ø 1.6: 3 Ø 7: 3.5	Ø 1.8: 2.5
		S	2500	976	685	510	412	344	311	296
		V	1500	1500	1500	1500	1500	1500	1500	2000
		F	7.2	9.6	12.8	12.6	14.8	16.9	18.2	20.4
		B	100	66	64	58	58	58	75	87
		T	56	56	50	56	52	50	55	56
2	30 ÷ 60	Ø	Ø 1: 10	Ø 1: 4.5 Ø 2: 7	Ø 1.2: 4 Ø 3: 5.5	Ø 1: 3.5 Ø 2.3: 4 Ø 4: 4.5				
		S	1250	427	325	267				
		V	2000	2250	2500	2750				
		F	31.7	39.7	46.8	55.4				
		B	100	59	61	81				
		T	51	53	55	57				
2	15 ÷ 30	Ø	Ø 1: 5	Ø 1: 3.5 Ø 2: 4.5	Ø 1.2: 3.5 Ø 3: 4.5	Ø 1.3: 3.5 Ø 4: 4				
		S	1250	488	343	278				
		V	1500	1500	1500	1500				
		F	14.3	18.6	24.2	27.8				
		B	100	66	65	80				
		T	57	58	53	58				
4	20 ÷ 40	Ø	Ø 1: 6	Ø 1: 3.5 Ø 2: 4						
		S	625	277						
		V	1750	2500						
		F	37.4	52.1						
		B	100	81						
		T	58	58						
4	5 ÷ 20	Ø	Ø 1: 4	Ø 1: 3 Ø 2: 3.5						
		S	625	266						
		V	1500	1500						
		F	20.2	26.2						
		B	100	76						
		T	44	47						