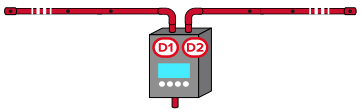
Table C2, holes from 1 to 18

Detection class	**C**
Number of detectors	**2**
Anti-dust filter	**No**
Condensation trap	**No**

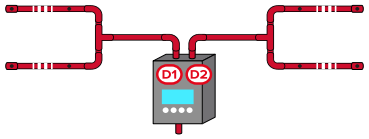
D1	detector 1 module
D2	detector 2 module

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)

1 branch



2 branches



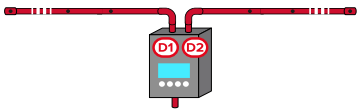
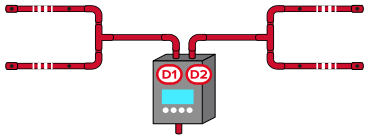
Number of branches	Length of branches (m)	parameters	Number of holes for each branch																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	30 ÷ 60	Ø	Ø 1: 10	Ø 1: 4 Ø 2: 6.5	Ø 1: 3.5 Ø 2: 4 Ø 3: 5.5	Ø 1..2: 3.5 Ø 3: 4 Ø 4: 5.5	Ø 1..3: 3.5 Ø 4: 4 Ø 5: 5.5	Ø 1..2: 3 Ø 3..5: 3.5 Ø 6: 4.5	Ø 1..5: 3 Ø 6: 3.5 Ø 7: 4.5	Ø 1..3: 2.5 Ø 4..7: 3 Ø 8: 4	Ø 1..3: 2.5 Ø 4..8: 3 Ø 9: 4	Ø 1..4: 2.5 Ø 5..9: 3 Ø 10: 4	Ø 1..5: 2.5 Ø 6..10: 3 Ø 11: 4	Ø 1..6: 2.5 Ø 7..11: 3 Ø 12: 4	Ø 1..7: 2.5 Ø 8..12: 3 Ø 13: 4	Ø 1..7: 2 Ø 8..13: 2.5 Ø 14: 3	Ø 1..8: 2 Ø 9..14: 2.5 Ø 15: 3	Ø 1..8: 2 Ø 9..15: 2.5 Ø 16: 3	Ø 1..10: 2 Ø 11..16: 2.5 Ø 17: 3	Ø 1..10: 2 Ø 11..17: 2.5 Ø 18: 3
		S	20000	6270	4762	3712	3016	2610	2180	1888	1710	1552	1406	1286	1186	1082	1014	946	888	830
		V	2000	2250	2500	2500	2500	2750	2750	3000	3000	3000	3250	3250	3250	3500	3500	3500	3500	3500
		F	31.7	36.5	44.5	50.5	55.4	61.2	62.2	63.2	67.7	70.3	77.8	78.8	80.9	76.9	80.4	81.2	83.1	86.2
		B	100	51	55	53	52	51	50	50	53	52	51	51	50	50	51	51	51	51
		T	51	56	54	54	55	56	55	55	55	55	51	53	53	55	55	56	56	55
1	10 ÷ 30	Ø	Ø 1: 5	Ø 1: 3 Ø 2: 4.5	Ø 1..2: 3 Ø 3: 4.5	Ø 1..3: 3 Ø 4: 4	Ø 1..4: 3 Ø 5: 4	Ø 1..5: 2.5 Ø 6: 3.5	Ø 1..6: 2.5 Ø 7: 3.5	Ø 1..2: 2 Ø 3..7: 2.5 Ø 8: 3	Ø 1..3: 2 Ø 4..8: 2.5 Ø 9: 3	Ø 1..4: 2 Ø 5..9: 2.5 Ø 10: 3	Ø 1..10: 2 Ø 11: 2.5	Ø 1..11: 2 Ø 12: 2.5	Ø 1..12: 2 Ø 13: 2.5	Ø 1..13: 2 Ø 14: 2.5	Ø 1..14: 2 Ø 15: 2.5	Ø 1..16: 2	Ø 1..17: 2	Ø 1..18: 2
		S	20000	6314	4730	4092	3306	2770	2394	1718	1574	1450	1654	1514	1396	1292	1202	1174	1114	1050
		V	1500	1500	1500	1500	1500	1750	1750	1750	1750	1750	2000	2000	2000	2000	2000	2250	2750	3000
		F	14.6	17.3	21.8	24.4	28.1	29.5	32.7	31.9	33.7	35.5	36.3	38.6	40.8	42.9	44.8	51.9	66.3	74.2
		B	100	48	47	58	58	52	52	50	50	50	64	64	64	64	64	85	86	85
		T	49	52	47	51	49	47	46	51	49	47	52	50	49	48	47	49	39	36
2	20 ÷ 40	Ø	Ø 1: 6	Ø 1: 3 Ø 2: 4.5	Ø 1..2: 3 Ø 3: 4	Ø 1..3: 2.5 Ø 4: 3.5	Ø 1..3: 2 Ø 4: 2.5 Ø 5: 3	Ø 1..4: 2 Ø 5: 2.5 Ø 6: 3	Ø 1..5: 2 Ø 6: 2.5 Ø 7: 3	Ø 1..7: 2 Ø 8: 2.5	Ø 1..9: 2									
		S	10000	3198	2652	1990	1470	1272	1118	1136	1078									
		V	1750	2250	2500	2750	3000	3000	3250	3500	4000									
		F	37.4	46.9	59.3	62.5	62.8	69.2	81.5	87.2	103.6									
		B	100	48	59	52	46	46	45	64	93									
		T	58	57	56	57	59	57	50	57	60									
2	5 ÷ 20	Ø	Ø 1: 4	Ø 1: 2.5 Ø 2: 3.5	Ø 1..2: 2.5 Ø 3: 3.5	Ø 1..3: 2 Ø 4: 2.5	Ø 1..4: 2 Ø 5: 2.5	Ø 1..5: 2 Ø 6: 2.5	Ø 1..7: 2	Ø 1..8: 2										
		S	10000	3404	2528	2182	1782	1502	1406	1234										
		V	1500	1500	1500	2000	2000	1750	2250	3000										
		F	20.2	23.3	29.7	31.4	37.1	36.8	50.0	73.6										
		B	100	52	52	64	64	64	96	96										
		T	44	49	44	50	47	50	47	34										

Table C2, holes from 19 to 26

Detection class	**C**
Number of detectors	**2**
Anti-dust filter	**No**
Condensation trap	**No**

D1	detector 1 module
D2	detector 2 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)

1 branch	2 branches
	

Number of branches	Length of branches (m)	parameters	Number of holes for each branch							
			19	20	21	22	23	24	25	26
1	30 ÷ 60	Ø	Ø 1..12: 2 Ø 13..18: 2.5 Ø 19: 3	Ø 1..13: 2 Ø 14..19: 2.5 Ø 20: 3	Ø 1..14: 2 Ø 15..20: 2.5 Ø 21: 3	Ø 1..15: 2 Ø 16..21: 2.5 Ø 22: 3	Ø 1..22: 2 Ø 23: 2.5	Ø 1..23: 2 Ø 24: 2.5	Ø 1..24: 2 Ø 25: 2.5	Ø 1..25: 2 Ø 26: 2.5
		S	782	740	696	662	710	670	638	610
		V	3750	3750	3750	4000	4250	4250	4250	4750
		F	92.1	93.7	94.9	102.6	107.1	108.6	110.3	125.3
		B	50	50	50	50	60	58	56	55
		T	53	55	55	51	56	56	57	51
1	10 ÷ 30	Ø	Ø 1..19: 2	Ø 1..20: 2						
		S	996	942						
		V	3750	4250						
		F	95.3	111.0						
		B	84	83						
		T	28	25						