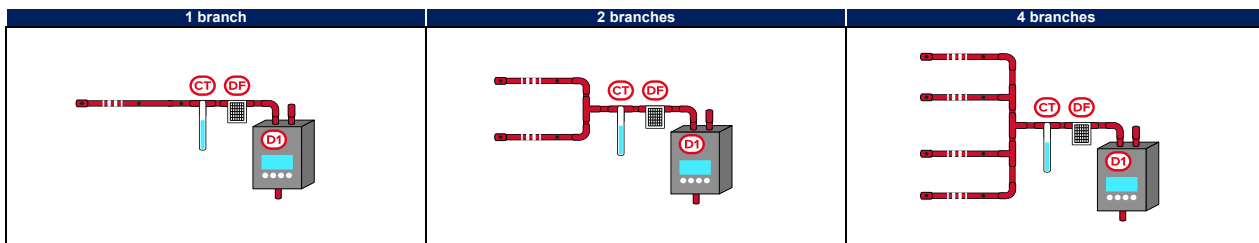


Table A1_DF_CT

Detection class	A
Number of detectors	1
Anti-dust filter	Yes
Condensation trap	Yes

D1	detector 1 module
DF	filter for dust
CT	trap for condensation
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: 4.5 Ø 2: 7.5	Ø 1: 4 Ø 2: 4.5 Ø 3: 7	Ø 1.2: 4 Ø 3: 4.5 Ø 4: 7	Ø 1.2: 3.5 Ø 3: 4 Ø 4: 4.5 Ø 5: 6	Ø 1: 3 Ø 2: 3.5 Ø 3: 4 Ø 4.5: 4.5 Ø 6: 6.5	Ø 1: 3 Ø 2.3: 3.5 Ø 4.5: 4 Ø 6: 4.5 Ø 7: 5.5	
		S	2500	856	642	479	381	335	302	
		V	3000	3250	3750	3750	4250	4250	4750	
		F	22.8	28.7	34	38.1	43.6	49.2	53.4	
		B	100	58	57	56	57	57	69	
		T	59	60	60	62	61	58	61	
1	30 ÷ 60	Ø	Ø 1: 10	Ø 1: 4.5 Ø 2: 6.5	Ø 1: 4 Ø 2: 4.5 Ø 3: 6.5	Ø 1: 4 Ø 2: 4.5 Ø 3: 5.5 Ø 4: 8	Ø 1.2: 3 Ø 3.4: 3.5 Ø 5: 4.5	Ø 1: 3 Ø 2.4: 3.5 Ø 6: 5	Ø 1.3: 3 Ø 4.6: 3.5 Ø 7: 4	Ø 1.2: 3 Ø 3.5: 3.5 Ø 6.8: 4
		S	2500	915	623	491	382	332	295	264
		V	2000	2250	2250	2250	2750	2500	3000	3250
		F	16.4	19.8	23.3	28.4	28.5	30.4	35.5	43.3
		B	100	64	61	64	55	58	71	82
		T	49	54	53	50	53	54	54	50
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 1.3: 3 Ø 4.6: 3.5 Ø 7: 4	Ø 1.8: 2.5
		S	2500	976	685	510	411	342	295	295
		V	1500	1500	1500	1500	1500	1500	1500	2000
		F	7.2	9.4	12.4	12.2	14.2	16	18.9	19.6
		B	100	66	65	58	58	58	70	87
		T	56	57	52	58	55	53	50	59
2	30 ÷ 60	Ø	Ø 1: 7.5	Ø 1: 4.5 Ø 2: 6.5	Ø 1: 4 Ø 2: 4.5 Ø 3: 6	Ø 1: 4 Ø 2: 4.5 Ø 3: 5 Ø 4: 5.5				
		S	1250	460	327	271				
		V	2250	2500	2750	3000				
		F	29.1	38.8	47.9	58.7				
		B	100	65	66	89				
		T	56	55	53	55				
2	15 ÷ 30	Ø	Ø 1: 5	Ø 1: 3.5 Ø 2: 5	Ø 1.2: 3.5 Ø 3: 4.5	Ø 1: 4 Ø 2: 4.5 Ø 3: 5 Ø 4: 5.5				
		S	1250	433	343	270				
		V	1500	1500	1500	1500				
		F	13.7	19	22	29.7				
		B	100	55	65	89				
		T	59	54	59	54				
4	20 ÷ 40	Ø	Ø 1: 6	Ø 1: 4.5 Ø 2: 5.5						
		S	625	269						
		V	2000	2500						
		F	37	55.5						
		B	100	80						
		T	58	54						
4	5 ÷ 20	Ø	Ø 1: 4	Ø 1: 3.5 Ø 2: 4						
		S	625	274						
		V	1500	1500						
		F	19	27.9						
		B	100	80						
		T	47	45						