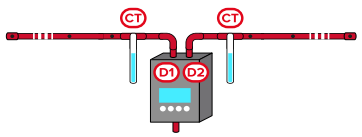
Table B2_CT

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

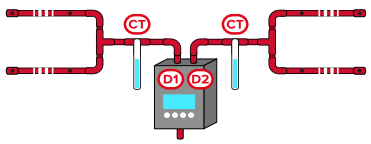
D1	detector 1 module
D2	detector 2 module
CT	trap for condensation

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)

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: 5 Ø 2: 7	Ø 1: 4 Ø 2: 4.5 Ø 3: 5.5	Ø 1..3: 3.5 Ø 4: 4.5	Ø 1..3: 3.5 Ø 4: 4 Ø 5: 4.5	Ø 1..3: 3 Ø 4..5: 3.5 Ø 6: 4	Ø 1: 3 Ø 2..5: 3.5 Ø 6: 4 Ø 7: 4.5	Ø 1..4: 3 Ø 5..7: 3.5 Ø 8: 4	Ø 1..2: 2.5 Ø 3..8: 3 Ø 9: 3.5	Ø 1: 2.5 Ø 2..6: 3 Ø 7..9: 3.5 Ø 10: 4	Ø 1..3: 2.5 Ø 4..10: 3 Ø 11: 3.5	Ø 1..4: 2.5 Ø 5..11: 3 Ø 12: 3.5	Ø 1..12: 2 Ø 13: 2.5	Ø 1..13: 2 Ø 14: 2.5	Ø 1..2: 2 Ø 3..10: 2.5 Ø 11..15: 3	Ø 1..15: 2 Ø 16: 2.5	Ø 1..8: 2 Ø 9..17: 2.5	
		S	6000	2354	1648	1234	998	818	716	618	532	492	452	414	412	382	304	328	274	
		V	2000	2250	2500	2750	2750	3000	3000	3250	3250	3250	3500	3500	4000	4000	3750	4000	4000	
		F	31.6	41.4	48.3	51.6	59.7	63.9	71.1	75.3	72.5	80.2	84.0	88.4	77.6	80.2	92.4	86.0	94.8	
		B	100	74	74	64	70	66	69	70	70	69	72	73	64	64	69	64	66	
		T	51	53	55	58	56	54	54	54	59	54	55	54	59	59	55	58	57	
1	10 ÷ 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	Ø 1..4: 3 Ø 5: 3.5	Ø 1..5: 3 Ø 6: 3.5	Ø 1..6: 2.5 Ø 7: 3	Ø 1..7: 2.5 Ø 8: 3	Ø 1..8: 2.5 Ø 9: 3	Ø 1..9: 2 Ø 10: 2.5	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	6000	2316	1644	1342	1076	892	776	672	594	548	496	454	418	388	360	352	334	314
		V	1500	1500	1500	1500	1750	1750	2000	1750	1750	2250	2000	2000	2000	2000	2000	2250	2750	3000
		F	14.6	18.9	24.7	28.3	31.9	36.0	36.1	34.3	37.1	38.3	36.2	38.5	40.7	42.8	44.7	51.8	66.1	74.0
		B	100	65	64	79	75	75	70	70	70	64	64	64	64	64	64	85	86	85
		T	49	50	46	50	47	45	46	51	50	47	52	50	49	48	47	49	39	36
2	20 ÷ 40	Ø	Ø 1: 6	Ø 1: 3.5 Ø 2: 4.5	Ø 1..2: 3 Ø 3: 3.5	Ø 1..3: 2.5 Ø 4: 3	Ø 1..4: 2.5 Ø 5: 3	Ø 1..5: 2 Ø 6: 2.5	Ø 1..6: 2 Ø 7: 2.5	Ø 1..7: 2 Ø 8: 2.5	Ø 1..9: 2									
		S	3000	1172	890	668	538	450	388	340	324									
		V	1750	2250	2750	3250	3000	3500	3500	3500	4000									
		F	37.3	50.4	61.2	69.3	73.2	72.3	80.1	86.9	103.3									
		B	100	66	76	70	70	64	64	64	93									
		T	58	57	59	57	59	62	59	57	61									
2	5 ÷ 20	Ø	Ø 1: 4	Ø 1: 3 Ø 2: 3.5	Ø 1..2: 2.5 Ø 3: 3	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	3000	1278	872	654	534	450	422	370										
		V	1500	1500	1750	2000	2000	1750	2250	3000										
		F	20.2	26.2	31.2	31.3	37.0	36.8	49.9	73.4										
		B	100	76	70	64	64	64	96	96										
		T	44	47	46	50	47	50	47	34										