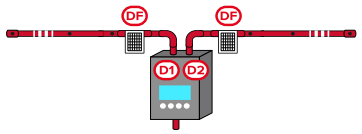
Table B2_DF

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

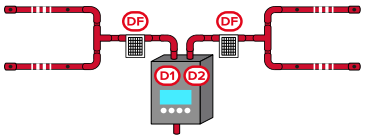
D1	detector 1 module
D2	detector 2 module
DF	filter for dust

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: 4.5 Ø 2: 6	Ø 1..2: 4.5 Ø 3: 6	Ø 1..2: 4 Ø 3: 4.5 Ø 4: 5	Ø 1..2: 4 Ø 3: 4.5 Ø 4: 5 Ø 5: 6	Ø 1..3: 3 Ø 4..5: 3.5 Ø 6: 4	Ø 1..4: 3 Ø 5..6: 3.5 Ø 7: 4	Ø 1..4: 3 Ø 5..7: 3.5 Ø 8: 4	Ø 1..3: 3 Ø 4..6: 3.5 Ø 7..8: 4 Ø 9: 4.5	Ø 1..9: 2.5 Ø 10: 3	Ø 1..10: 2.5 Ø 11: 3	Ø 1..11: 2.5 Ø 12: 3	Ø 1..5: 2.5 Ø 6..12: 3 Ø 13: 3.5	Ø 1..6: 2.5 Ø 7..13: 3 Ø 14: 3.5	Ø 1..14: 2 Ø 15: 2.5	Ø 1..15: 2 Ø 16: 2.5	Ø 1..6: 2 Ø 7..17: 2.5	
		S	6000	2368	1606	1302	1004	816	698	620	536	522	470	422	370	344	354	330	276	
		V	2000	2500	2500	2750	2750	3000	3000	3250	3250	3750	3750	3750	3750	3750	4250	4250	4500	
		F	30.6	40.9	49.6	57.8	62.6	61.3	63.1	73.5	77.3	76.3	80.0	82.3	89.2	91.1	85.2	88.2	103.6	
		B	100	71	68	81	78	66	65	70	75	70	70	69	71	68	64	64	68	
		T	53	54	55	56	55	57	59	55	55	58	58	59	55	56	57	57	55	
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..2: 3.5 Ø 3: 4 Ø 4: 4.5	Ø 1: 3 Ø 2..4: 3.5 Ø 5: 4	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: 2.5 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..15: 2 Ø 16: 2.5	Ø 1..17: 2	Ø 1..18: 2
		S	6000	2316	1644	1236	942	890	774	676	598	536	498	454	418	386	360	336	328	310
		V	1500	1500	1500	1500	1500	1750	2000	2000	2000	2000	2250	2000	2000	2000	2000	2000	2250	2500
		F	14.4	18.6	24.1	29.5	30.1	34.7	35.1	38.3	41.2	43.8	39.9	37.3	39.3	41.1	42.8	44.4	51.3	59.2
		B	100	66	64	69	72	75	70	70	70	70	64	64	64	64	64	64	83	83
		T	50	51	47	45	50	47	47	46	45	44	47	52	51	50	50	49	51	45
2	20 ÷ 40	Ø	Ø 1: 5.5	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	1174	890	668	538	450	388	340	324									
		V	2000	2250	2750	3250	3250	3750	3500	3500	4250									
		F	38.4	48.2	58.7	66.7	75.8	75.0	76.7	82.7	104.2									
		B	100	66	76	70	70	64	64	64	93									
		T	56	60	61	59	57	60	62	61	60									
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: 2.5 Ø 4: 3	Ø 1..4: 2 Ø 5: 2.5	Ø 1..5: 2 Ø 6: 2.5	Ø 1..6: 2 Ø 7: 2.5	Ø 1..8: 2	Ø 1..9: 2									
		S	3000	1280	872	670	534	452	390	368	328									
		V	1500	1500	1750	1750	2000	2000	2000	2250	3250									
		F	19.9	25.5	30.4	36.7	36.0	40.6	44.7	52.3	81.3									
		B	100	76	70	70	64	64	64	95	96									
		T	45	49	48	45	48	46	44	47	32									