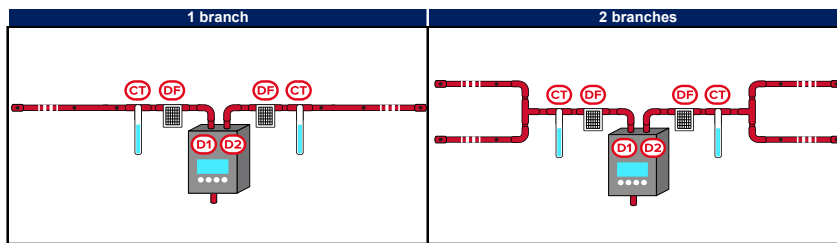


Table A2_DF_CT

| | |
|---------------------|-----|
| Detection class | A |
| Number of detectors | 2 |
| Anti-dust filter | Yes |
| Condensation trap | Yes |

| | |
|----|--|
| D1 | detector 1 module |
| D2 | detector 2 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 | 30 ÷ 60 | Ø | Ø 1: 10 | Ø 1: 4.5 Ø 2: 7 | Ø 1: 4 Ø 2: 4.5 Ø 3: 6 | Ø 1..3: 3.5 Ø 4: 5 | Ø 1.3: 3.5 Ø 4: 4 Ø 5: 5 | Ø 1: 3 Ø 2..4: 3.5 Ø 5: 4 Ø 6: 5 | Ø 1..2: 3 Ø 3..6: 3.5 Ø 7: 4 | Ø 1..2: 3 Ø 3..5: 3.5 Ø 6..8: 4 |
| | | S | 2500 | 860 | 654 | 478 | 398 | 332 | 300 | 266 |
| | | V | 2000 | 2250 | 2500 | 2750 | 2750 | 2750 | 3250 | 3500 |
| | | F | 30.6 | 38.3 | 47.6 | 51.5 | 58.1 | 60.7 | 71.1 | 80.9 |
| | | B | 100 | 60 | 66 | 53 | 59 | 58 | 78 | 80 |
| | | T | 53 | 55 | 54 | 54 | 54 | 55 | 56 | 54 |
| 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: 4.5 | Ø 1..4: 3 Ø 5: 4 | Ø 1..5: 3 Ø 6: 4 | Ø 1..6: 2.5 Ø 7: 3 | Ø 1..8: 2.5 |
| | | S | 2500 | 964 | 684 | 518 | 412 | 344 | 322 | 298 |
| | | V | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 2000 | 2250 |
| | | F | 14.4 | 18.6 | 24 | 28.5 | 27.2 | 30.1 | 35.1 | 42.1 |
| | | B | 100 | 66 | 64 | 64 | 58 | 58 | 70 | 89 |
| | | T | 50 | 51 | 48 | 46 | 51 | 50 | 47 | 48 |
| 2 | 20 ÷ 40 | Ø | Ø 1: 5.5 | Ø 1: 3.5 Ø 2: 4.5 | Ø 1..2: 3 Ø 3: 4 | Ø 1..4: 3 | | | | |
| | | S | 1250 | 490 | 332 | 302 | | | | |
| | | V | 2000 | 2250 | 2500 | 3250 | | | | |
| | | F | 38.3 | 48.1 | 56.3 | 78 | | | | |
| | | B | 100 | 66 | 59 | 92 | | | | |
| | | T | 56 | 60 | 59 | 59 | | | | |
| 2 | 5 ÷ 20 | Ø | Ø 1: 4 | Ø 1: 2.5 Ø 2: 3.5 | Ø 1..2: 2.5 Ø 3: 3 | Ø 1..4: 2.5 | | | | |
| | | S | 1250 | 426 | 364 | 308 | | | | |
| | | V | 1500 | 1500 | 1750 | 2000 | | | | |
| | | F | 19.9 | 22.8 | 30.4 | 39.2 | | | | |
| | | B | 100 | 53 | 70 | 97 | | | | |
| | | T | 45 | 50 | 48 | 48 | | | | |