SEC_4273
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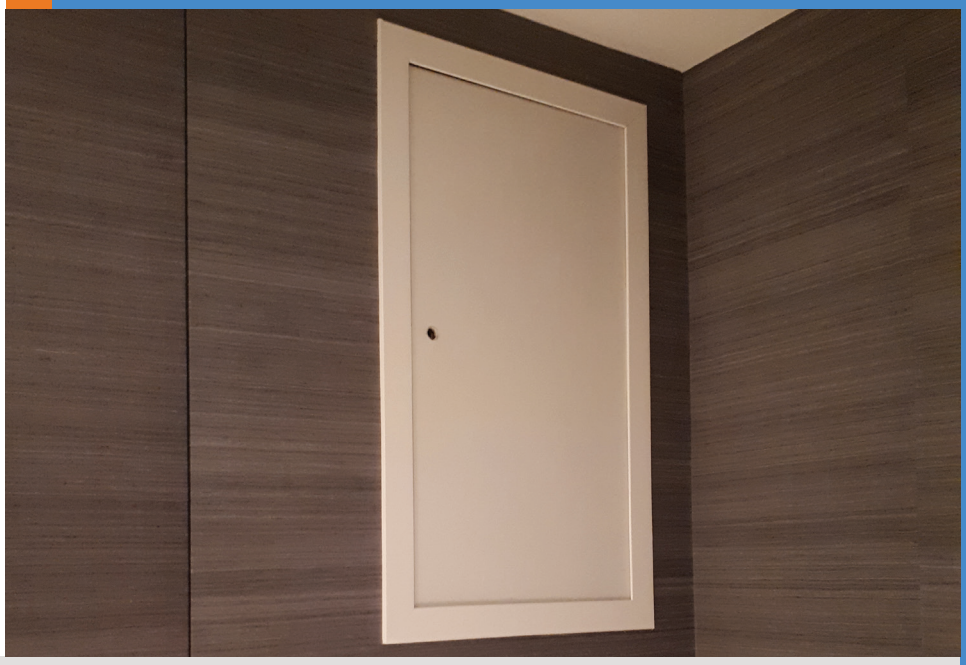
# Smoke Extract Door



SE CONTROLS

## Smoke Extract Door

This CE marked smoke extract door is certified in accordance with EN12101-8 and is suitable for vertical mounting within apertures in smoke shafts. Offering 60 minute fire resistance at minimum pressure loss (120 minute version available on request).

Smoke Extract Doors are suitable for use in ventilating protected lobbies, and venting into shafts for mechanically operated systems.

This product offers a contemporary aesthetic with a white lacquered finish or plasterboard self-finish option, thermal and acoustic insulation properties with optimal free air passage and minimal pressure loss.

This product has been tested according to EN 1366-10, is compliant with EN 12101-8 and is approved for installation in stud wall, smoke shaft duct work and concrete shafts.

## Features:

- Mounting frame for simple installation is available with or without hinged drop guard grid to mitigate fall risk
- Power open/power closed and power open/manual reset versions are available.
- The power open/manual reset version has a magnetic latch which releases on a 24Vdc impulse and requires manual resetting/closing
- Available in 1 opening vent or 2 opening vent variants
- White lacquered finish or plasterboard self-finish available
- Superior airtightness tested at 1500 pa
- Optimal free air passage and minimal pressure loss
- Optimal acoustic performance

## Sizes:

- For the 1 opening vent version, multiple sizes are available up to 700mm(w) x 1075mm(h) to achieve the required free area
- For the 2 opening vent version, the largest size is 1100mm(w) x 925mm(h)
- For the power open/power closed version, the only height option available is 1075mm

### Product Application Guidance:

The SE Controls Contracting Team can advise on specific product requirements and any guidance required on installation or legislation related to this products. They can be contacted at: https://www.secontrols.com/en-gb/contact/.

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## Free Area Table for 1 Door Power Open Manual Reset

| Hn\Wn [mm] | | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|---|---|---|---|---|---|---|---|---|---|---|
| 385 | Sn [m²] | 0,0980 | 0,1160 | 0,1340 | 0,1520 | 0,1700 | 0,1880 | 0,2060 | 0,2240 | 0,2420 |
| 415 | Sn [m²] | 0,1070 | 0,1260 | 0,1450 | 0,1650 | 0,1840 | 0,2040 | 0,2230 | 0,2430 | 0,2620 |
| 445 | Sn [m²] | 0,1150 | 0,1360 | 0,1570 | 0,1780 | 0,1990 | 0,2200 | 0,2410 | 0,2610 | 0,2820 |
| 475 | Sn [m²] | 0,1230 | 0,1450 | 0,1680 | 0,1900 | 0,2130 | 0,2350 | 0,2580 | 0,2800 | 0,3030 |
| 505 | Sn [m²] | 0,1310 | 0,1550 | 0,1790 | 0,2030 | 0,2270 | 0,2510 | 0,2750 | 0,2990 | 0,3230 |
| 535 | Sn [m²] | 0,1390 | 0,1650 | 0,1900 | 0,2160 | 0,2410 | 0,2670 | 0,2920 | 0,3180 | 0,3430 |
| 565 | Sn [m²] | 0,1480 | 0,1750 | 0,2020 | 0,2290 | 0,2550 | 0,2820 | 0,3090 | 0,3360 | 0,3630 |
| 595 | Sn [m²] | 0,1560 | 0,1840 | 0,2130 | 0,2410 | 0,2700 | 0,2980 | 0,3270 | 0,3550 | 0,3840 |
| 625 | Sn [m²] | 0,1640 | 0,1940 | 0,2240 | 0,2540 | 0,2840 | 0,3140 | 0,3440 | 0,3740 | 0,4040 |
| 655 | Sn [m²] | 0,1720 | 0,2040 | 0,2350 | 0,2670 | 0,2980 | 0,3300 | 0,3610 | 0,3920 | 0,4240 |
| 685 | Sn [m²] | 0,1810 | 0,2140 | 0,2460 | 0,2790 | 0,3120 | 0,3450 | 0,3780 | 0,4110 | 0,4440 |
| 715 | Sn [m²] | 0,1890 | 0,2230 | 0,2580 | 0,2920 | 0,3270 | 0,3610 | 0,3950 | 0,4300 | 0,4640 |
| 745 | Sn [m²] | 0,1970 | 0,2330 | 0,2690 | 0,3050 | 0,3410 | 0,3770 | 0,4130 | 0,4490 | 0,4850 |
| 775 | Sn [m²] | 0,2050 | 0,2430 | 0,2800 | 0,3180 | 0,3550 | 0,3920 | 0,4300 | 0,4670 | 0,5050 |
| 805 | Sn [m²] | 0,2130 | 0,2520 | 0,2910 | 0,3300 | 0,3690 | 0,4080 | 0,4470 | 0,4860 | 0,5250 |
| 835 | Sn [m²] | 0,2220 | 0,2620 | 0,3030 | 0,3430 | 0,3830 | 0,4240 | 0,4640 | 0,5050 | 0,5450 |
| 865 | Sn [m²] | 0,2300 | 0,2720 | 0,3140 | 0,3560 | 0,3980 | 0,4400 | 0,4820 | 0,5240 | 0,5650 |
| 895 | Sn [m²] | 0,2380 | 0,2820 | 0,3250 | 0,3680 | 0,4120 | 0,4550 | 0,4990 | 0,5420 | 0,5860 |
| 925 | Sn [m²] | 0,2460 | 0,2910 | 0,3360 | 0,3810 | 0,4260 | 0,4710 | 0,5160 | 0,5610 | 0,6060 |
| 955 | Sn [m²] | 0,2550 | 0,3010 | 0,3470 | 0,3940 | 0,4400 | 0,4870 | 0,5330 | 0,5800 | 0,6260 |
| 985 | Sn [m²] | 0,2630 | 0,3110 | 0,3590 | 0,4070 | 0,4550 | 0,5030 | 0,5500 | 0,5980 | 0,6460 |
| 1015 | Sn [m²] | 0,2710 | 0,3200 | 0,3700 | 0,4190 | 0,4690 | 0,5180 | 0,5680 | 0,6170 | 0,6670 |
| 1045 | Sn [m²] | 0,2790 | 0,3300 | 0,3810 | 0,4320 | 0,4830 | 0,5340 | 0,5850 | 0,6360 | 0,6870 |
| 1075 | Sn [m²] | 0,2870 | 0,3400 | 0,3920 | 0,4450 | 0,4970 | 0,5500 | 0,6020 | 0,6550 | 0,7070 |

## Free Area Table for 1 Door Power Open Power Closed

| Hn\Wn [mm] | | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|---|---|---|---|---|---|---|---|---|---|
| 385 | Sn [m²] | 0,1080 | 0,1260 | 0,1430 | 0,1600 | 0,1780 | 0,1950 | 0,2120 | 0,2300 |
| 415 | Sn [m²] | 0,1180 | 0,1360 | 0,1550 | 0,1740 | 0,1930 | 0,2120 | 0,2310 | 0,2500 |
| 445 | Sn [m²] | 0,1270 | 0,1470 | 0,1680 | 0,1880 | 0,2080 | 0,2290 | 0,2490 | 0,2690 |
| 475 | Sn [m²] | 0,1360 | 0,1580 | 0,1800 | 0,2020 | 0,2240 | 0,2460 | 0,2670 | 0,2890 |
| 505 | Sn [m²] | 0,1460 | 0,1690 | 0,1920 | 0,2160 | 0,2390 | 0,2620 | 0,2860 | 0,3090 |
| 535 | Sn [m²] | 0,1550 | 0,1800 | 0,2050 | 0,2300 | 0,2540 | 0,2790 | 0,3040 | 0,3290 |
| 565 | Sn [m²] | 0,1640 | 0,1910 | 0,2170 | 0,2430 | 0,2700 | 0,2960 | 0,3230 | 0,3490 |
| 595 | Sn [m²] | 0,1740 | 0,2020 | 0,2290 | 0,2570 | 0,2850 | 0,3130 | 0,3410 | 0,3690 |
| 625 | Sn [m²] | 0,1830 | 0,2120 | 0,2420 | 0,2710 | 0,3010 | 0,3300 | 0,3590 | 0,3890 |
| 655 | Sn [m²] | 0,1930 | 0,2230 | 0,2540 | 0,2850 | 0,3160 | 0,3470 | 0,3780 | 0,4080 |
| 685 | Sn [m²] | 0,2020 | 0,2340 | 0,2670 | 0,2990 | 0,3310 | 0,3640 | 0,3960 | 0,4280 |
| 715 | Sn [m²] | 0,2110 | 0,2450 | 0,2790 | 0,3130 | 0,3470 | 0,3800 | 0,4140 | 0,4480 |
| 745 | Sn [m²] | 0,2210 | 0,2560 | 0,2910 | 0,3270 | 0,3620 | 0,3970 | 0,4330 | 0,4680 |
| 775 | Sn [m²] | 0,2300 | 0,2670 | 0,3040 | 0,3400 | 0,3770 | 0,4140 | 0,4510 | 0,4880 |
| 805 | Sn [m²] | 0,2390 | 0,2780 | 0,3160 | 0,3540 | 0,3930 | 0,4310 | 0,4690 | 0,5080 |
| 835 | Sn [m²] | 0,2490 | 0,2890 | 0,3280 | 0,3680 | 0,4080 | 0,4480 | 0,4880 | 0,5280 |
| 865 | Sn [m²] | 0,2580 | 0,2990 | 0,3410 | 0,3820 | 0,4230 | 0,4650 | 0,5060 | 0,5470 |
| 895 | Sn [m²] | 0,2670 | 0,3100 | 0,3530 | 0,3960 | 0,4390 | 0,4820 | 0,5240 | 0,5670 |
| 925 | Sn [m²] | 0,2770 | 0,3210 | 0,3650 | 0,4100 | 0,4540 | 0,4980 | 0,5430 | 0,5870 |
| 955 | Sn [m²] | 0,2860 | 0,3320 | 0,3780 | 0,4240 | 0,4700 | 0,5150 | 0,5610 | 0,6070 |
| 985 | Sn [m²] | 0,2950 | 0,3430 | 0,3900 | 0,4380 | 0,4850 | 0,5320 | 0,5800 | 0,6270 |
| 1015 | Sn [m²] | 0,3050 | 0,3540 | 0,4030 | 0,4510 | 0,5000 | 0,5490 | 0,5980 | 0,6470 |
| 1045 | Sn [m²] | 0,3140 | 0,3650 | 0,4150 | 0,4650 | 0,5160 | 0,5660 | 0,6160 | 0,6670 |
| 1075 | Sn [m²] | 0,3240 | 0,3750 | 0,4270 | 0,4790 | 0,5310 | 0,5830 | 0,6350 | 0,6860 |