

# Swirl Diffuser Type SSW

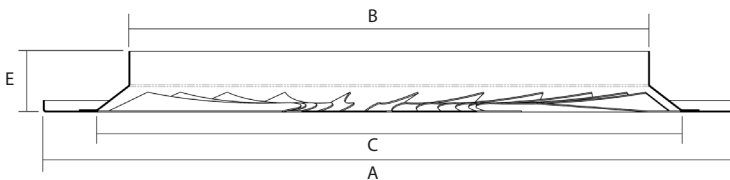
Suitable for ceiling mounting and can be manufactured to suit most ceiling tile arrangements.

The Straight Vane Swirl Diffuser offers excellent induction of room air and the rapid decay of supply air velocities and air temperature differentials.



## Multiple Variations

*SSW-24-L Lay-in Ceiling Type*



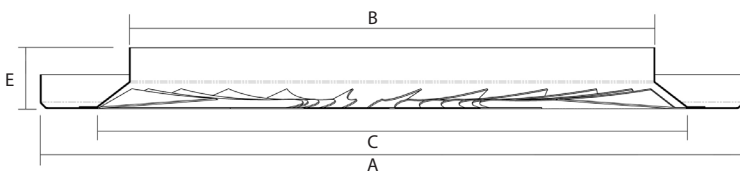
| Nom Size | A   | BØ  | CØ  | E  |
|----------|-----|-----|-----|----|
| 200      | 595 | 197 | 250 | 55 |
| 300      | 595 | 297 | 350 | 55 |
| 350      | 595 | 347 | 400 | 55 |
| 450      | 595 | 447 | 500 | 55 |
| 500      | 595 | 500 | 500 | 55 |

*SSW-24-T Tegular Ceiling Type*



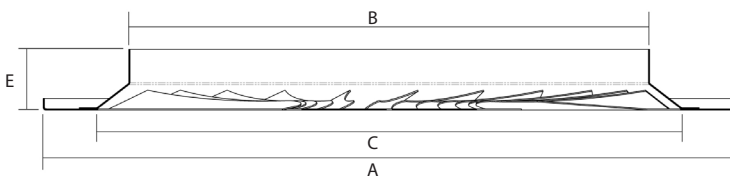
| Nom Size | A   | BØ  | CØ  | D<br>24T/15T | E  |
|----------|-----|-----|-----|--------------|----|
| 200      | 595 | 197 | 250 | 574/584      | 55 |
| 300      | 595 | 297 | 350 | 574/584      | 55 |
| 350      | 595 | 347 | 400 | 574/584      | 55 |
| 450      | 595 | 447 | 500 | 574/584      | 55 |
| 500      | 595 | 500 | 500 | 574/584      | 55 |

*SSW-24-M Clip-in Metal Ceiling Type*



| Nom Size | A   | BØ  | CØ  | E  |
|----------|-----|-----|-----|----|
| 200      | 599 | 197 | 250 | 55 |
| 300      | 599 | 297 | 350 | 55 |
| 350      | 599 | 347 | 400 | 55 |
| 450      | 599 | 447 | 500 | 55 |
| 500      | 599 | 500 | 500 | 55 |

*SSW-24-C Circular Swirl Diffuser*



| Nom Size | AØ  | BØ  | CØ  | E  |
|----------|-----|-----|-----|----|
| 200      | 326 | 197 | 250 | 55 |
| 300      | 426 | 297 | 350 | 55 |
| 350      | 480 | 347 | 400 | 55 |
| 450      | 590 | 447 | 500 | 55 |
| 500      | 590 | 500 | 500 | 55 |

# Swirl Diffuser Type SSW

## How to Order

| Type | No of Blades | Edge Detail  | Tegular Depth | Size                     | Overall Size | RAL Colour    |
|------|--------------|--|---------------|--------------------------|--------------|---------------|
| SSW  | 24           | L - Lay-In Grid                                    | e.g. 14mm     | 200                      | 595 x 595    | e.g. RAL 9010 |
|      |              | T15 - Tegular 584 x 584<br>T24 - Tegular 574 x 574 |               | 300<br>350<br>450<br>500 |              |               |
|      |              | M - Clip-In Metal Tile                             |               |                          |              |               |

e.g. 10 No SSW - 24 - L - 450 - 595 x 595 - RAL 9010

### Performance Data

| Size    |         | 10        | 15        | 20        | 25        | 30        | 35        | 40        | 45        | 50        |
|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 200 Dia | I/s     | 10        | 15        | 20        | 25        | 30        | 35        | 40        | 45        | 50        |
|         | Throw m | 0.3 - 0.5 | 0.4-0.8   | 0.5-1.0   | 0.6-1.3   | 0.8-1.5   | 0.9-1.8   | 1.0-2.2   | 1.2-2.3   | 1.3-2.7   |
|         | Pa      | 1         | 3         | 5         | 9         | 12        | 17        | 22        | 28        | 34        |
|         | NC      |           |           |           |           | 17        | 22        | 25        | 29        | 32        |
|         | I/s     | 55        | 60        | 65        | 70        |           |           |           |           |           |
|         | Throw m | 1.4-2.8   | 1.5-3.1   | 1.7-2.3   | 1.8-3.6   |           |           |           |           |           |
| 300 Dia | Pa      | 41        | 49        | 57        | 67        |           |           |           |           |           |
|         | NC      | 34        | 37        | 39        | 41        |           |           |           |           |           |
|         | I/s     | 30        | 35        | 40        | 45        | 50        | 55        | 60        | 65        | 70        |
|         | Throw m | 0.5-1.0   | 0.6-1.2   | 0.7-1.4   | 0.7-1.5   | 0.8-1.7   | 0.9-1.9   | 1.2-2.2   | 1.2-2.3   | 1.2-2.4   |
|         | Pa      | 3         | 4         | 5         | 6         | 8         | 9         | 11        | 13        | 15        |
|         | NC      |           |           |           |           |           | 16        | 19        | 21        | 23        |
| 350 Dia | I/s     | 75        | 80        | 85        | 90        | 95        | 100       | 105       | 110       | 115       |
|         | Throw m | 1.3-2.5   | 1.4 - 2.7 | 1.5 - 2.9 | 1.8 - 3.1 | 2.1 - 3.2 | 2.2 - 3.4 | 2.6 - 3.6 | 2.6 - 3.7 | 2.6 - 3.9 |
|         | Pa      | 17        | 20        | 22        | 25        | 28        | 31        | 33        | 38        | 41        |
|         | NC      | 25        | 27        | 29        | 30        | 32        | 33        | 35        | 36        | 37        |
|         | I/s     | 50        | 55        | 60        | 65        | 70        | 80        | 90        | 100       | 110       |
|         | Throw m | 0.8-1.6   | 0.8-1.7   | 1.0-1.9   | 1.1-2.0   | 1.1-2.2   | 1.2-2.5   | 1.5-2.8   | 1.5-3.1   | 1.5-3.4   |
| 450 Dia | Pa      | 4         | 4         | 5         | 6         | 7         | 9         | 12        | 14        | 17        |
|         | NC      |           |           |           |           |           | 17        | 20        | 23        | 26        |
|         | I/s     | 120       | 130       | 140       | 150       | 160       | 170       | 180       | 190       | 200       |
|         | Throw m | 1.8-3.8   | 2.0-4.1   | 2.1-4.4   | 2.3-4.7   | 2.4-5.0   | 2.5-5.3   | 2.8-5.6   | 2.4-5.9   | 3.0-6.3   |
|         | Pa      | 21        | 24        | 28        | 32        | 36        | 41        | 46        | 51        | 57        |
|         | NC      | 28        | 31        | 33        | 35        | 36        | 38        | 40        | 41        | 43        |
| 500 Dia | I/s     | 75        | 80        | 90        | 100       | 110       | 120       | 130       | 140       | 150       |
|         | Throw m | 0.8-1.8   | 0.9-1.9   | 1.0-2.2   | 1.1-2.4   | 1.2-2.6   | 1.4-2.9   | 1.5-3.1   | 1.6-3.4   | 1.8-3.6   |
|         | Pa      | 5         | 6         | 7         | 9         | 11        | 13        | 15        | 18        | 20        |
|         | NC      |           |           |           |           | 16        | 18        | 21        | 23        | 25        |
|         | I/s     | 160       | 170       | 180       | 190       | 200       | 210       | 220       | 230       | 240       |
|         | Throw m | 1.8-3.8   | 2.0-4.1   | 2.1-4.3   | 2.3-4.6   | 2.4-4.8   | 2.4-5.0   | 2.5-5.3   | 2.7-5.5   | 2.8-5.8   |
| 500 Dia | Pa      | 23        | 26        | 29        | 33        | 36        | 40        | 44        | 48        | 52        |
|         | NC      | 26        | 28        | 30        | 31        | 33        | 34        | 35        | 37        | 38        |
|         | I/s     | 100       | 110       | 120       | 130       | 140       | 150       | 160       | 170       | 180       |
|         | Throw m | 0.8-2.0   | 1.0-2.2   | 1.1-2.4   | 1.2-2.6   | 1.3-2.8   | 1.4-3.0   | 1.5-3.2   | 1.6-3.4   | 1.8-3.6   |
|         | Pa      | 6         | 7         | 8         | 9         | 11        | 13        | 14        | 16        | 18        |
|         | NC      |           |           |           |           | 15        | 17        | 18        | 20        | 22        |
| 500 Dia | I/s     | 190       | 200       | 210       | 220       | 230       | 240       | 260       | 280       | 300       |
|         | Throw m | 1.8-3.8   | 2.0-4.0   | 2.1-4.2   | 2.2-4.4   | 2.2-4.6   | 2.3-4.8   | 2.5-5.2   | 2.6-5.6   | 2.9-6.0   |
|         | Pa      | 20        | 22        | 25        | 27        | 29        | 32        | 38        | 44        | 50        |
|         | NC      | 23        | 25        | 26        | 27        | 29        | 30        | 32        | 34        | 36        |

**NOTE:**

All throws based on terminal velocities of 0.5 - 0.25 m/s

For Return Air Applications Multiply Pa x 0.75, NC Levels remain the same