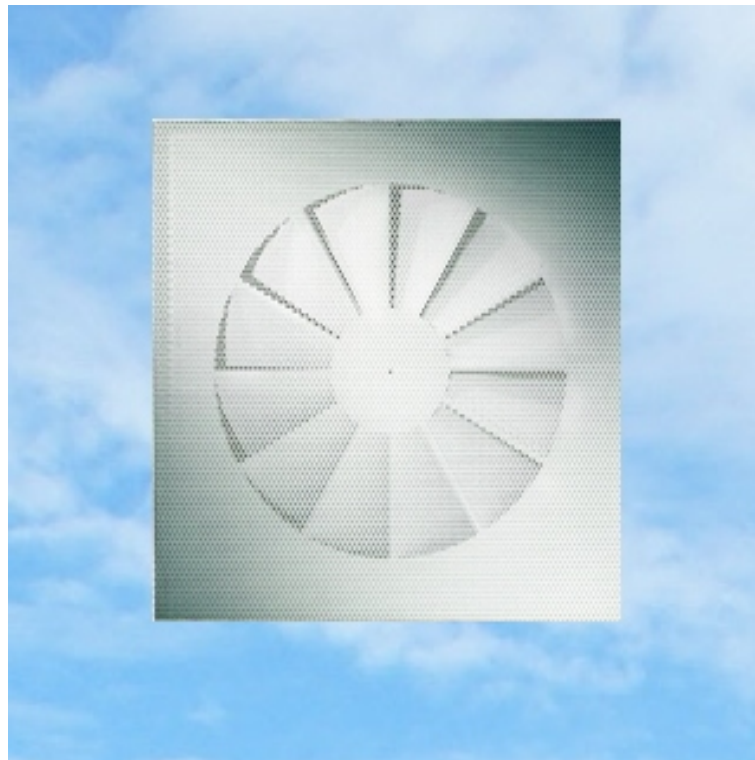


Swirl Diffuser Type PSW



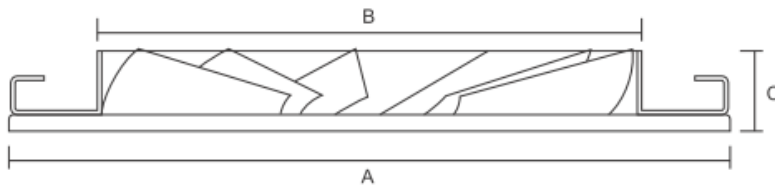
AIR IN MOTION

Perforated Face Swirl Diffuser suitable for ceiling mounting and is available with either a hinged or fixed perforated sheet face offering excellent performance but with a more discreet appearance within the ceiling.



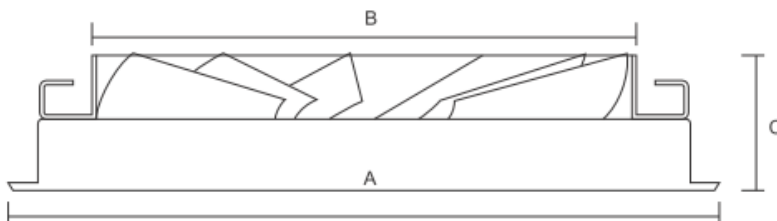
Multiple Variations

PSW-12-L Lay-in Ceiling Type



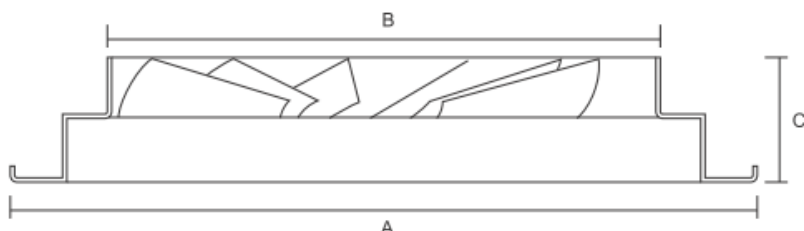
| Nom Size | A | BØ | C |
|----------|-----|-----|----|
| 160 | 595 | 157 | 60 |
| 250 | 595 | 247 | 60 |
| 315 | 595 | 312 | 60 |
| 450 | 595 | 447 | 60 |

PSW-12-H Hinged Face Type



| Nom Size | A | BØ | C |
|----------|-----|-----|-----|
| 160 | 595 | 157 | 105 |
| 250 | 595 | 247 | 105 |
| 315 | 595 | 312 | 105 |
| 450 | 595 | 447 | 105 |

PSW-12-C Circular Type



| Nom Size | AØ | BØ | C |
|----------|-----|-----|----|
| 160 | 300 | 157 | 90 |
| 250 | 390 | 247 | 90 |
| 315 | 455 | 312 | 90 |
| 450 | 590 | 447 | 90 |

How to Order

| Type | No of Blades | Edge Detail | Size | Overall Size | RAL Colour |
|------|--------------|--|--------------------------|----------------|---------------|
| PSW | 12 | L - Lay-In Grid H - Hinged Core C - Circular Frame | 160 250 315 450 | e.g. 595 x 595 | e.g. RAL 9010 |

e.g. 10 No PSW - 12 - L - 450 - 595 x 595 - RAL 9010

Performance Data

| Size | | | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
|---------|---------|--|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 160 Dia | I/s | | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| | Throw m | | 0.3 - 0.5 | 0.4-0.7 | 0.5-0.9 | 0.6-1.1 | 0.6-1.3 | 0.7-1.4 | 1.0-1.6 | 1.0-1.7 | 1.2-1.9 |
| | Pa | | 6 | 10 | 14 | 20 | 26 | 33 | 40 | 49 | 58 |
| | NC | | | 18 | 23 | 28 | 31 | 35 | 38 | 40 | 43 |
| 250 Dia | I/s | | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| | Throw m | | 0.5-0.9 | 0.6-1.2 | 0.7-1.4 | 0.9-1.9 | 1.0-2.1 | 0.9-2.3 | 1.2-2.4 | 1.3-2.6 | 1.4-2.9 |
| | Pa | | 5 | 8 | 12 | 16 | 21 | 26 | 32 | 39 | 47 |
| | NC | | | 18 | 23 | 27 | 31 | 34 | 37 | 40 | 42 |
| 315 Dia | I/s | | 70 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 |
| | Throw m | | 0.8-1.5 | 0.8-1.7 | 1.0-1.9 | 1.1-2.1 | 1.2-2.5 | 1.4-2.9 | 1.8-3.4 | 2.0-3.8 | 2.4-4.2 |
| | Pa | | 6 | 8 | 10 | 12 | 18 | 24 | 35 | 40 | 49 |
| | NC | | | 15 | 18 | 21 | 26 | 31 | 34 | 38 | 41 |
| 450 Dia | I/s | | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 |
| | Throw m | | 1.0-2.1 | 1.2-2.5 | 1.3-2.8 | 1.5-3.2 | 1.6-3.5 | 2.0-3.9 | 2.0-4.2 | 2.3-4.6 | 2.5-4.9 |
| | Pa | | 5 | 7 | 9 | 11 | 14 | 17 | 20 | 23 | 27 |
| | NC | | | 17 | 21 | 24 | 27 | 30 | 32 | 34 | 42 |

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

Please contact our Sales Office on 01707 386126 for selection advice