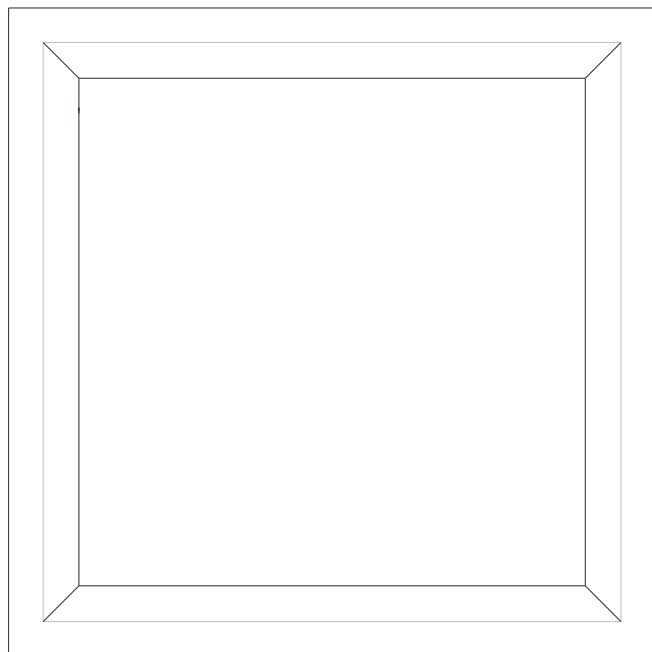


Model CD-A-SP Square plate Ceiling Diffuser



Model CD-A-SP diffuser are recommended for heating, ventilating, and cooling. Design for surface mounting in all types of ceiling. Provides a displacement system giving improved air quality and lower temperatures in the occupied zone. The diffuser provides a constant air distribution over the entire face area without any risk of draught.

Features

- Square plate is easily removable at the face of diffuser without disturbing ceiling or remove diffuser.
- Easy to install and adjust.

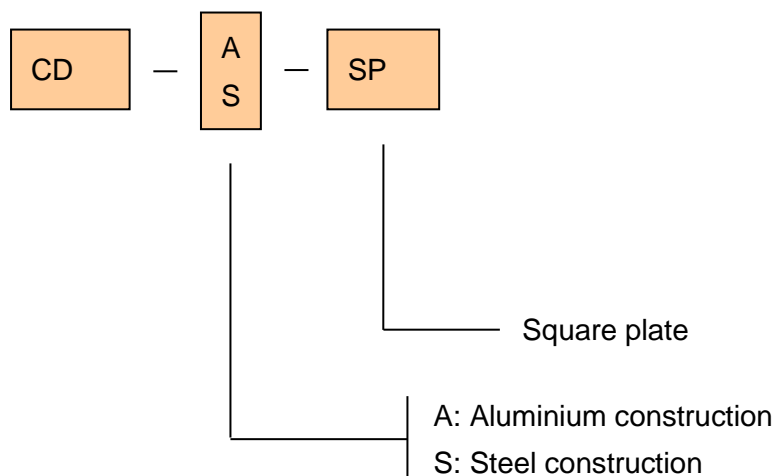
Finish

- Steel construction: standard finish is white enamel. Special colour finishes are available to match architectural requirements.
- Aluminium construction: standard finish is white enamel. Special colour finishes are available to match architectural requirements.

Accessories

- Opposed blade damper. Allow for smooth volume control from fully open to fully close. Smooth operation by turning a single adjustment screw. Damper manufactured in steel.

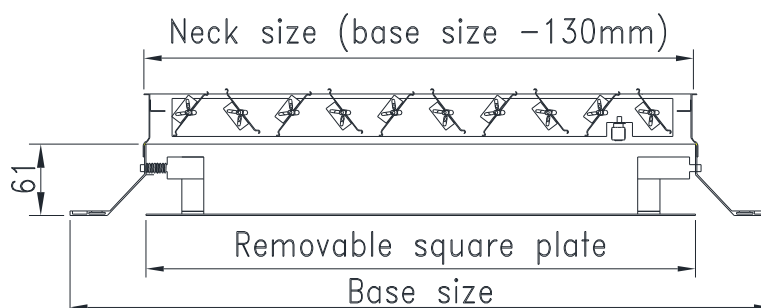
Order Code



Model CD-A-SP Square plate Ceiling Diffuser



Dimension



| Model | Base size W (mm) | Base size H (mm) | Neck size (mm) |
|---------|------------------|------------------|----------------|
| CD-A-SP | 380 | 380 | 250 x 250 |
| CD-A-SP | 430 | 430 | 300 x 300 |
| CD-A-SP | 480 | 480 | 350 x 350 |
| CD-A-SP | 600 | 600 | 470 x 470 |

Performance Data

| Neck size (mm) | Velocity Pressure (Pa) | 2.5 | 4 | 6 | 8 | 10 | 13 |
|----------------|------------------------|------------|-----------|-------------|-----------|------------|-----------|
| | Total Pressure (Pa) | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical |
| 250 x 250 | m3/s | 0.1 | 0.13 | 0.16 | 0.18 | 0.21 | 0.23 |
| | Throw (m) | .5-1-1.5 | 1.-1.-2. | 1-1.5-2 | 1.-2.-3. | 1-2.3-5 | 1.5-2.5-4 |
| | NC Value | - | 16 | 21 | 24 | 29 | 32 |
| 300 x 300 | m3/s | 0.15 | 0.18 | 0.22 | 0.26 | 0.3 | 0.33 |
| | Throw (m) | 1.-1.-2. | 1.-1.5-2 | 1.-2.-3. | 1.5-2-3.5 | 1.5-2.5-4 | 2.-3.-5. |
| | NC Value | - | 17 | 22 | 26 | 30 | 34 |
| 350 x 350 | m3/s | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 |
| | Throw (m) | 1-1.5-2.5 | 1.-2.-3. | 1.5-2.5-3.5 | 1.5-2.5-4 | 2.-3.-5. | 2.5-3.5-6 |
| | NC Value | - | 18 | 23 | 27 | 31 | 35 |
| 465 x 465 | m3/s | 0.23 | 0.28 | 0.34 | 0.4 | 0.46 | 0.51 |
| | Throw (m) | 3.-4.-8. | 3.-5.-10. | 4.-6.-11. | 5.-7.-12 | 5.-8.-13. | 6.-9.-14. |
| | NC Value | - | - | 19 | 24 | 28 | 32 |

NOTES ON PERFORMANCE DATA:

Throw value shown are based on terminal velocities of 0.75m/s, 0.5m/s, 0.25m/s.

NC values are based on room attenuation of 10 dB when 10^{-12} watts is used as a reference.