



AIR CONTROL INDUSTRY



CURVE GRILLES AND REGISTERS

QUALITY ASSURANCE

An ISO 9001:2015 certified company
Product tested and approved by ETL testing laboratories USA



+971 6 5238 186
+971 55 176 5322

MADE IN UAE

sales@aircontrol.ae
www.aircontrol.ae

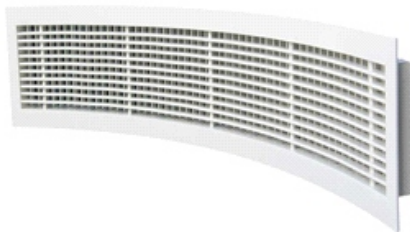
Copyright reserved. Specifications subject to change without notice.



MODEL - CURVE GRILLE & REGISTERS

- ▶ Air Control curved linear bar grilles are available up to a length of 3 meter with a minimum radius of curvature of 1 meter.
- ▶ Also available in 1 to 8 slot diffuser with 16mm, 20mm & 25mm slot width, without the hit and miss damper or deflector blades.
- ▶ All curved linear slot diffusers are ceiling mount.

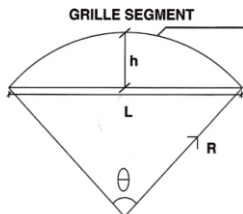
CURVE LINEAR BAR GRILLE



Inside Curve



Outside Curve



Grille Arch Length. (A/L). (Neck).

$$A/L = \Theta \times (\pi/180) \times R$$

Θ - Angle, R - Radius

$$h = \text{Segment Height.}$$

$$= R \times (1 - \cos(\Theta/2)).$$

$$L = \text{Segment Length.}$$

$$= 2 \times R \times (\sin(\Theta/2)).$$

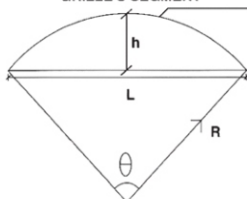


CURVE SLOT DIFFUSERS



R - Radius up to grille inside. R

GRILLE'S SEGMENT



Grille Arch Length. (A/L).

$$A/L = \Theta \times (\pi/180) \times R$$

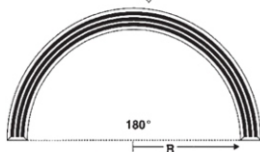
Θ - Angle, R - Radius

h = Segment Height.

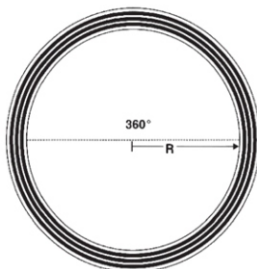
$$= R \times (1 - \cos(\Theta/2)).$$

L = Segment Length.

$$= 2 \times R \times (\sin(\Theta/2)).$$



Semi-Circular Grille ; Arch Length = $\pi \times R$.



Full-Circular Grille ; Arch Length = $2 \times \pi \times R$.

