



曾 泉 江 鐵 器 廠
CHAN CHUAN CHANG METAL WORKS

BLOCK 5055, ANG MO KIO INDUSTRIAL PARK 2, #01-1141,
SINGAPORE 569558 TEL : 64817736 FAX : 64813517
Email: sales@ccc.com.sg Website: http://www.ccc.com.sg
Reg. No. 204949/00M



OPPOSED BLADE DAMPER



Brand : CCC

**AIR DIFFUSION EQUIPMENT
OPPOSED BLADE DAMPER
Series : CCC-OBD**

CHAN CHUAN CHANG METAL WORKS



VISION

“To produce high quality products, high standard of creativity in design and excellent credibility in reputation”

MISSION

“Serve customer with satisfactory and reliable works and products”

Chan Chuan Chang Metal Works was established in 1975, committed to the vision to manufacture good quality Air Diffusion Equipment. After building up its reputation in the industry as a top manufacturer, the company registered the logo with the Registry of Trade and Patents (Singapore). From then onwards, all equipment which has the trade mark symbolise our commitment to serve our customer with satisfactory and reliable works and products.


Our products have been tested by VIPAC, testing laboratory at Victorian technology Centre, Port Melbourne, Victoria. Furthermore, the results are NATA Certified (National Association of Testing Authorities, Australia) to ADC 10623 R3 (Air Diffusion Council, USA) and are officially endorsed in countries which are signatories to the I.L.A.C agreement-namely, Australia, New Zealand, Britain, USA and Malaysia.

We were proud to introduce the **Heavy Duty Aluminium Computer Floor Grille**, Series : CR to the industry in 1991. This has been a breakthrough as the grille are able to provide adequate air flow whilst maintaining the weight of any person or equipment. This is verified by the Comprehensive Loading Test performed by Singapore Institute of Standard & Industrial Research (SISIR), currently known as Spring Singapore. Series : CR has since then been installed in many computer rooms, wafer manufacturing plant and places which require the product.



COMPANY MILESTONE

1975 Established with the vision to manufacture high quality Air Diffusion Equipment to meet future needs and demands. Together with a team of experienced Engineers & Craftsman dedicated to Chan Chuan Chang's Motto – Commitment, Creativity & Credibility, we produced good quality products with high standard of creativity in design and maintained excellent credibility in reputation.

1982 Registered with the Registry of Trade and Patents (Singapore), CCC Trade Mark  has since become a household name in its industry.

1986 Chan Chuan Chang (CCC) products are tested by VIPAC, a testing laboratory at Victorian Technology Centre, Port Melbourne, Victoria. These results are NATA Certified (National Association of Testing Authorities, Australia) to ADC 10623 R3 (Air Diffusion Council, USA) and are officially endorsed in countries which are signatories to the I.L.A.C agreement – namely, Australia, New Zealand, Britain, USA and Malaysia.

1991 CCC Aluminium Computer Floor Air Grille was sent for Comprehensive Loading Test conducted by Singapore Institute of Standard & Industrial Research (SISIR) and achieved excellent results.

1997 CCC was awarded ISO 9002 Certification. Our impressive list of satisfied clients is testimony to CCC's motto – Commitment, Creativity and Credibility.

2005 CCC has improved its quality management system with respect to the ISO 9001:2000 standard due to our commitment towards quality improvement in our products and customer satisfaction. We thank you for your faith and support in our products. We will continue to strive harder to exceed your demand & satisfaction.

2012 CCC was awarded ISO 9001:2008 Certification by BVQI Accreditation. CCC also became a certified member of Air Movement and Control Association International (AMCA). Our Low Leakage dampers were tested according to AMCA standards and received certifications.

OPPOSED BLADE DAMPER



CCC-CD/01

Application

- CCC Opposed Blade Damper are used for air conditioning and ventilation systems such as grilles and diffusers. (eg. Ceiling Diffusers, Single/Double-Deflection Grilles, Egg-Crate Grilles, Louvers etc)

Features & Details

- CCC Opposed Blade Damper (OBD) standard construction is in E.G. sheet.
- The designs of the blades of our OBD are aerodynamic.
- These OBD are suitable for majority of the grilles and diffusers within our ranges.
- OBD is adjustable using a minus (-) tool.
- OBD will be in black finishing.

OPPOSED BLADE DAMPER



Product Name : Opposed Blade Damper

Model : CCC-OBD

Material : E.G.

Features :

CCC Opposed Blade Damper are constructed from E.G. sheet. These OBD are suitable for majority of the grilles and diffusers within our ranges. It provides air volume control with a minus sign tool (-). Finishing of the product will be in black.

Optional Accessories (chargeable):

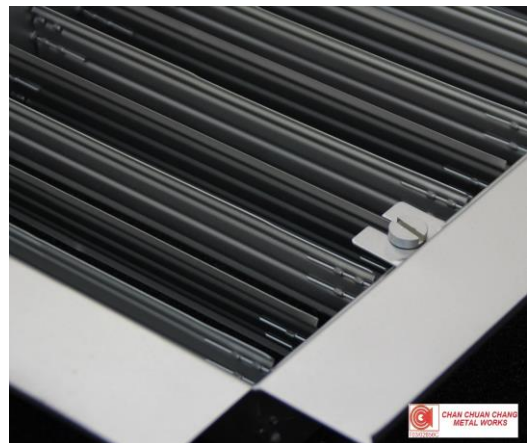
- Other colour is available upon request.
- Other material such as aluminium, SS304 or SS316 is available upon request.
- **Different sizes is available for customization.**
- **Single zone to multi-zone types are available for customization.**

OPPOSED BLADE DAMPER



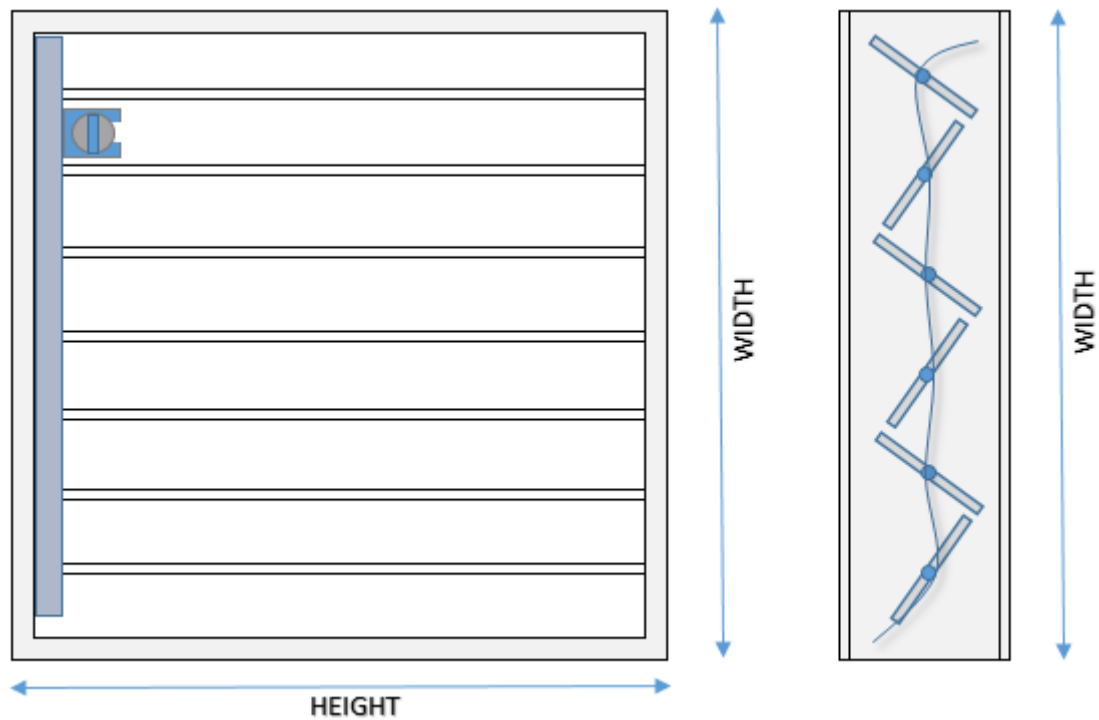
CCC Opposed Blade Damper is easily adjustable using a MINUS sign tool (-) such as screwdrivers etc. Simply turn it to open or close to factialte the airflow of your equipment.

We can customize frames and brackets for the opposed blade dampers. Please feel free to let us know your requirement during enquiry.



The designs of our opposed blade dampers are aerodynamic. The adjustable tool must face the grille/diffuser during installation.

DESIGN AND DRAWING



Opposed Blade Damper Specifications:

- Provide Height and Width during enquiry
- Each blade secured by wire
- Screwdriver operated
- Black finishing