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**CHAN CHUAN CHANG METAL WORKS**

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# PAN DIFFUSER



**Brand : CCC**

**Air Diffusion Equipment**

**PAN DIFFUSER**

**Series : CCC-PD**

## 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.

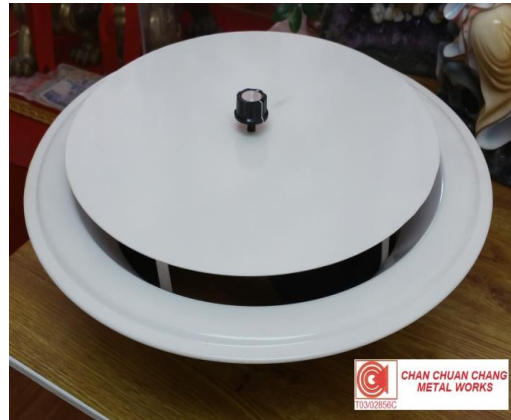
**2005** CCC has improved its quality management system with respect to the ISO 9001:2000 standard due to our commitment towards quality improvement in our products and customer satisfaction. We thank you for your faith and support in our products. We will continue to strive harder to exceed your demand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

## CCC-PD



**CCC-PD-01**



**CCC-PD-02**

### Application

- Mostly used for cabin units, a terminal device of the air conditioning system.
- Applicable for lodging cabins, dining halls, offices, meeting rooms in the vessels.

### Features & Details

- CCC Pan Diffuser is specially designed for air supply for cabin units. This diffuser have low noise ratings and very convenient for adjustment.
- Airflow is adjustable using the lever.
- Both square and round types are available.
- Diffusers are constructed in high quality galvanized steel sheets.
- Finishing is in white powder coating.

## CCC-PD-01



**Product Name :** Pan Diffuser

**Model :** CCC-PD-01

**Material :** G.I.

**Features :**

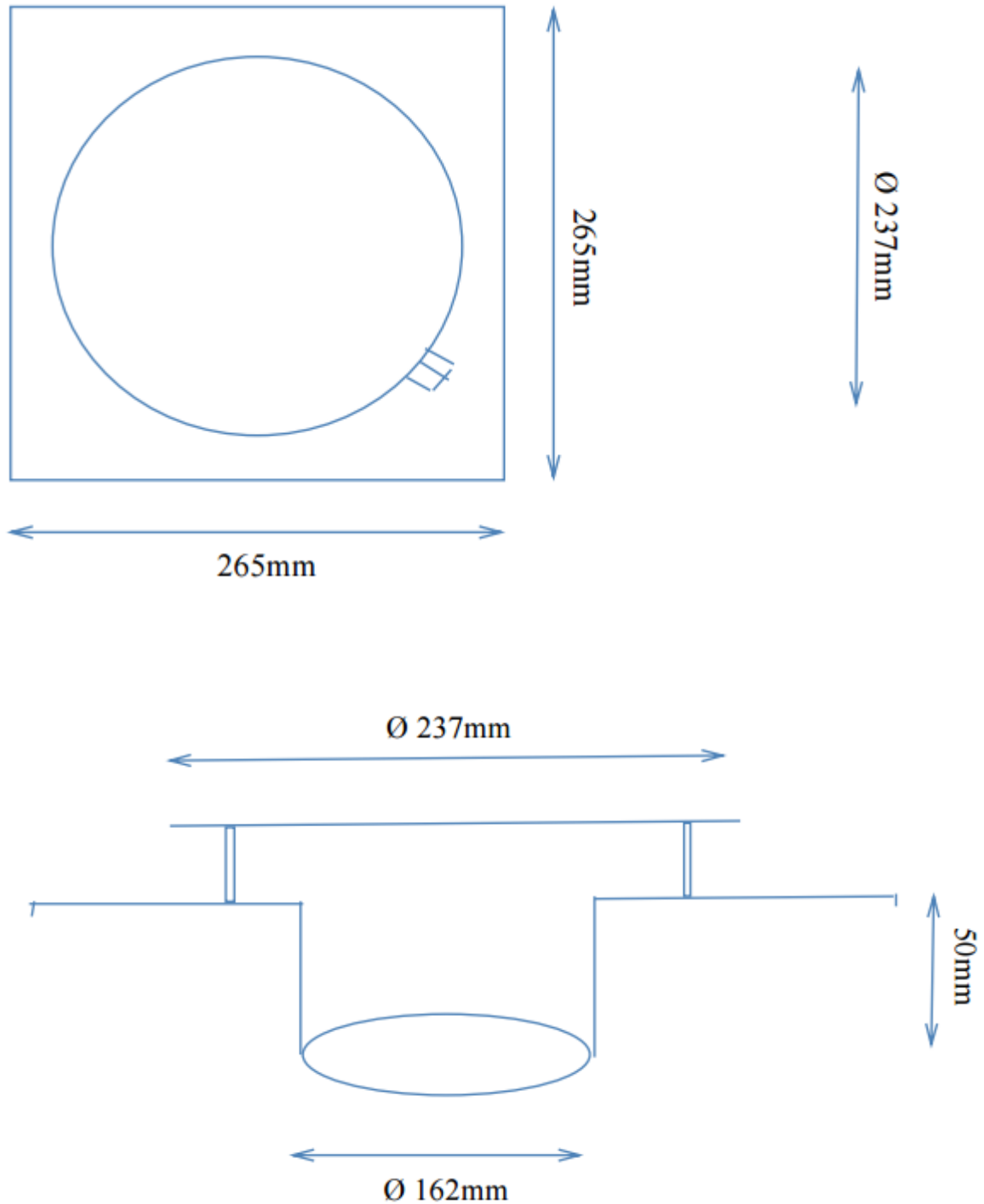
CCC Pan Diffusers are fabricated from high quality G.I. sheet. Pan Diffusers are normally used for cabin units for supply high-speed marine air conditioning for the offices, meeting room, lodging cabins, dining hall in the vessels. It can also be used for the hotels, hospitals, large meeting halls etc.

- Standard size of face size 265mm x 265mm, with neck round collar of  $\varnothing 160$ mm
- Volume flow rate range of 0 - 450 m<sup>3</sup>/h depending on your cabin units.
- Diffuser is made of high quality galvanised steel with powder coating finishing.
- Can be used for supply air.
- Adjustable distribution of airflow and temperature using lever.
- Centre core is removable.

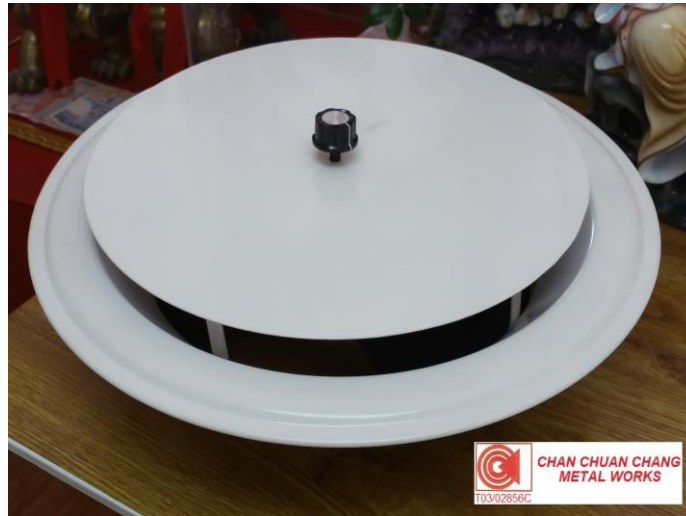
### **Optional Accessories (chargeable):**

- Diffusers are available in different colour finishing upon request.
- Cabin units.
- Plenum Boxes (Pan Diffusers are allowed for customization. Please feel free to contact us regarding this).
- Gasket foams behind centre plate to reduce noise of airflow.
- Other materials such as SS304/SS316.
- Other sizes other than our standard size.

## CCC-PD-01 Standard Drawings



## CCC-PD-02



**Product Name :** Pan Diffuser

**Model :** CCC-PD-02

**Material :** G.I.

**Features :**

CCC Pan Diffusers are fabricated from high quality G.I. sheet. Pan Diffusers are normally used for cabin units/plenums for supply high-speed marine air conditioning for the offices, meeting room, lodging cabins, dining hall in the vessels. It can also be used for the hotels, hospitals, large meeting halls etc. This model is normally modified with a fan-type damper to facilitate the airflow.

- Size is customizable. Please send enquires to us if you got anything.
- Diffuser is made of high quality galvanised steel / aluminium with powder coating finishing.
- Can be used for supply air.
- Adjustable distribution of airflow and temperature using lever to control the fan-type damper.

**Optional Accessories (chargeable):**

- Diffusers are available in different colour finishing upon request.
- Cabin units / Plenum Boxes
- Gasket foams behind centre plate to reduce noise of airflow.
- Other materials such as SS304/SS316.
- Other sizes other than our standard size.