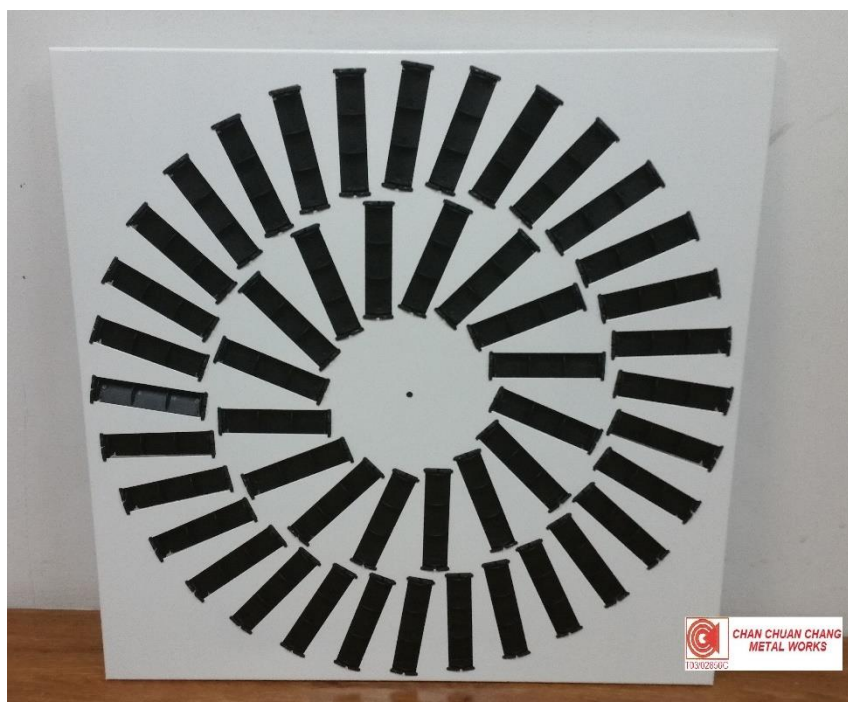




曾 泉 江 鐵 器 廠
CHAN CHUAN CHANG METAL WORKS

SWIRL DIFFUSERS



Brand : CCC

**Air Diffusion Equipment
SWIRL DIFFUSERS
Series : CCC-SD**

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-SD-01



CCC-SD-02



CCC-SD-03

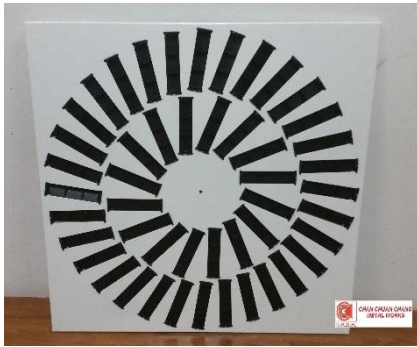
Application

- Swirl diffusers are used as supply air or extract air for comfort zones.
- There are different models & design to suit your requirement. We have ranges from adjustable type to fixed type.
- Attractive designs for buildings owners & architects to meet your requirement to match the location.
- For variable and constant volume flows.
- For all type of ceiling systems.
- For rooms up to 5 metres.
- You may opt for a duct connection/plenum box prior to your requirement.

Features & Details

- CCC swirl diffusers are made of high quality galvanised steel with powder coating finishing.
- We have range from round to square types of swirl diffusers.
- Diffusers blades with either adjustable type or fixed type.
- For variable and constant volume flows.
- Centre hole allows easy installation to ceiling.

CCC-SD-01



With low sound level for comfort zones, with manually adjustable air control blades to meet your requirements.

Product Name : Swirl Diffuser

Model : CCC-SD-01

Material : G.I. 1MM

Features :

CCC swirl diffusers are fabricated from high quality 1mm thick G.I. sheet. The design of the diffuser has an attractive appearance to give a minimum resistance to air flow. Comes in different models to meet your requirement for fixed blades or adjustable blades.

- Standard size of 595mm x 595mm.
- Volume flow rate range of 100-230 l/s or 360-830 m³/h.
- Diffuser face is made of high quality 1mm galvanised steel with powder coating finishing.
- Can be used for supply and extract air.
- Manually adjustable blades to meet the required airflow pattern.
- Suitable for all type of ceiling system.

Optional Accessories :

- Diffusers are available in different colour finishing upon request.
- Plenum boxes with internal insulations.

STANDARD SIZE (MM)	AIR VOLUME (m ³ /h)	AIR VOLUME (l/s)
595 X 595	360-830	100-230

CCC-SD-02



Product Name : Swirl Diffuser

Model : CCC-SD-02

Material : G.I. 1MM

Features :

CCC swirl diffusers are fabricated from high quality 1mm thick G.I. sheet. The design of the diffuser has an attractive appearance to give a minimum resistance to air flow.

- Standard size of 595mm x 595mm.
- Volume flow rate range of 80-166 l/s or 290-600 m³/h.
- Diffuser face is made of high quality 1mm galvanised steel with powder coating finishing.
- Can be used for supply and extract air.
- Blades are fixed type and non-adjustable.
- Suitable for all type of ceiling system.

Optional Accessories :

- Diffusers are available in different colour finishing upon request.
- Plenum boxes with internal insulations.

STANDARD SIZE (MM)	AIR VOLUME (m³/h)	AIR VOLUME (l/s)
595 X 595	290-600	80-166

CCC-SD-03



Product Name : Swirl Diffuser

Model : CCC-SD-03

Material : G.I. 1MM

Features :

CCC swirl diffusers are fabricated from high quality 1mm thick G.I. sheet. The design of the diffuser has an attractive appearance to give a minimum resistance to air flow.

- Standard size of diameter 200mm, 250mm, 315mm, 400mm, 500mm and 630mm.
- Volume flow rate range of 125-972 l/s or 450-3500 m³/h.
- Diffuser is made of high quality 1mm galvanised steel with powder coating finishing.
- Can be used for supply and extract air.
- Blades are manually adjustable to control the wind pattern and air flow.
- Suitable for all type of ceiling system.

STANDARD SIZE (Ø MM)	AIR VOLUME (m ³ /h)	AIR VOLUME (l/s)
200	450	125
250	750	208
315	1500	416
400	2500	694
500	3000	833
630	3500	972