

KLEANLAND®

Electrostatic Air Filter Manufacturer Since 1992

Electrostatic Air Cleaner (ESP) for CKV



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KLEAN ESP



About US

In 1993, the world's first exhaust hood style electrostatic precipitator (ESP) was born in Kelantechnics Environmental Products Co., Ltd, setting a new milestone for human being in treating cooking fume pollution.

Having been offering electrostatic purification and dust removal services to industrial enterprises, hotels and catering enterprises since 1992, Kelantechnics is the first company who offers the fume purification and dust removal services to hotels and catering enterprises by using electrostatic technology.

Today, Kelantechnics has become the strongest and most powerful ESP supplier in the world. Our products have been applied widely in various industries, such as textile dyeing, printing and finishing, synthetic leather production, latex gloves production, vinyl coated wallpaper production, metal processing, diesel generating sets, food processing, building materials, hotels and catering industries, etc.

Our products have been selling well in every corner of the world, including but not limited to Mainland China, Hong Kong, Macau, Taiwan, UK, France, Spain, Belgium, Ukraine, Turkey, Saudi Arabia, Iran, Singapore, Malaysia, Thailand, Vietnam, India, Japan, South Korea, Egypt, Australia, New Zealand, Brazil and so on.

Evolving from only handling air pollution problems for our customers to also providing high-value collected waste oil for partners so as to cut down the production cost, we base our ever-improving solutions and services on our unchanged commitment to constant technological innovation.

CE approved, UL tested, China CEP registered, Hong Kong FSD certified and over 33 national patents granted, we have been offering uncompromising service and quality and we will be constantly moving.



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Duct-mounted ESP

Model	Air Flow (M ³ /Hr)	Size L*W*H (mm)	Weight (kg)	Power (w)
BS-216Q-2K	2000	735×750×773	72.5	650
BS-216Q-3K	3000	735×848×886	100	677
BS-216Q-4K	4000	735×909×942.5	107	698
BS-216Q-6K	6000	735×1432×886	140	730
BS-216Q-8K	8000	735×1553×942.5	155	748
BS-216Q-12K	12000	735×1432×1631	246	1460
BS-216Q-16K	16000	735×1553×1744	299	1496
BS-216Q-20K	20000	735×2015×1631	353	1532
BS-216Q-24K	24000	735×2198×1744	388	1576
BS-216Q-28K	28000	735×2015×2376	523	2298
BS-216Q-32K	32000	1470×1553×1744	615	2992
BS-216Q-36K	36000	735×2198×2545.5	695	2364
BS-216Q-48K	48000	1470×2198×1744	776	3152
BS-216Q-54K	54000	1470×2015×2376	1046	4596
BS-216Q-72K	72000	1470×2198×2545.5	1152	4728

Note: The data above is just for reference. If there is any change, no other notice will be informed. Goods inspection will be subject to the contract.

Features



Fume & mist elimination efficiency: >90%.



High-end high-frequency high-voltage solid-state transformer with epoxy resin encapsulation, driven by half-bridge switching converter, and is powerful, stable and energy-saving.

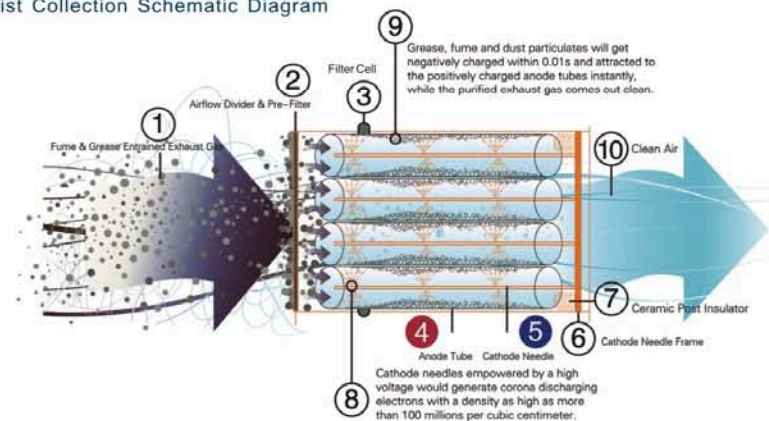


Patented cylindrical honeycomb structure filter cell, ensuring extremely high efficiency of fume & mist elimination.



Multiple protection functions such as electrostatic discharge protection, power over-loading protection and transformer over-heated protection, making it safe and reliable of our facility.

Oil Mist Collection Schematic Diagram



BS-216Q-2K
BS-216Q-3K
BS-216Q-4K



BS-216Q-6K
BS-216Q-8K



BS-216Q-12K
BS-216Q-16K
BS-216Q-20K
BS-216Q-24K



BS-216Q-32K
BS-216Q-48K



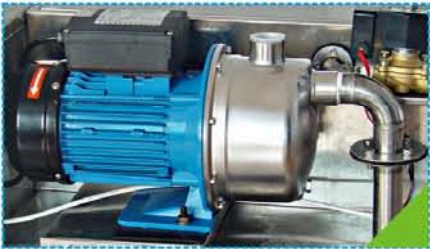
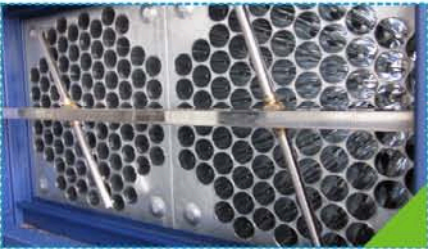
BS-216Q-28K
BS-216Q-36K



BS-216Q-54K
BS-216Q-72K

Photos are for reference only.

▶ Auto cleaning device



■ To complete a maintenance-free air cleaning package

▶ Introduction

Surveys show that more than 85% of the ESP's for kitchen application failed to be cleaned timely and effectively, thus excess deposits from grease-laden vapors would coat and clog the filter cells, resulting in poorer equipment efficiency and more complaints from local residents over time

KLEAN auto cleaning device, an optional accessory provided for KLEAN ESP, is a fully automated washing system programmed with user-defined protocols that allows wash parameters to be optimized at the users' convenience, and keeps the EAP functioning at top performance over a relatively long period of time

▶ Features



Klean auto cleaning device enables Klean ESP to operate maintenance-free for a long period of time, thus saving you the time, money and trouble of frequent manual cleaning.



PLC based intelligent control, enables the user to set the auto-cleaning timing at off-work hours, thus no interruption to the business operation will be incurred.



Intelligent temperature control enables you to save time and power consumption spent on auto-cleaning.



Rotatable nozzle bars with asymmetrical design, ensuring there's no dead spot while spraying.

▶ Specifications

Model	BS-20L
Size (LxWxH)(mm)	600x300x400
Weight (kg)	30
Capacity (L)	20
Power	1-Phase/220V 50HZ 3-Phase/380V 50HZ
Power of heater	3000w/12000w
Power of pump	750w
Heating up time	30min / 12min (20-70°C, Up50°C)

Note: The data above is just for reference. If there is any change, no other notice will be informed. Goods inspection will be subject to the contract.

Hood Style Series



Smart Choice, Choice Smart

Features



Exhaust hood ingeniously fitted with ESP fume and mist filter. No conventional hood or additional air pollution control equipment needed, saving you more money and kitchen space.



Fume & mist elimination efficiency: $\geq 95\%$, low altitude emission: 100% permissible.



External control interface to facilitate linkage control and remote control.



Optional auto-clean function which automatically cleans the ESP according to programmed timeframes. The ESP is enabled to operate for a long period of time without the need for frequent manual cleaning.



Most smell eliminated, no complaints will be incurred.



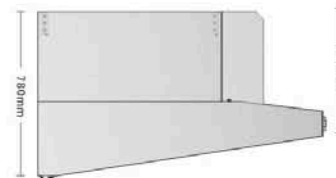
Substantially reduce risks of residual grease deposits inside the exhaust ducts, and needs for air duct cleaning services.

Specifications

Model	BS-266
Fittings	Stainless steel cabinet
Optional	Optional auto-cleaning device
Draft (m ³ /h)	4000
Size (LxWxH)(mm)	2000x1200x600
Weight (kg)	250
Power (w)	676

Note: The data above is just for reference. If there is any change, no other notice will be informed. Goods inspection will be subject to the contract.

Size



BS-216S Smokeless BBQ Stove



Smokeless Charcoal BBQ

There are BBQ stalls galore in the culinary scene. As recreational snacks in miniature, BBQ can be found in every nook and corner, be it high street or back lane, inside or outside of the town, public park or residential community, recreation ground or night market, etc. BBQ is becoming an indispensable part of the dietary habits for more and more people, therefore brings forth an enormous consumer market.

BBQ is becoming more and more popular with its natural way of cooking and wild flavor of game. The tantalizing aroma of sizzling steak fills the air. A gentle breeze stirs the umbrella, silhouetted under a serene summer evening sky. The succulent seafood & meat slide down the throat along with the ice-cold beer without touching the sides. Excited laughter echoes around the patio... The BBQ has every reason to make a gourmand's mouth water!

Yet the smelling smoky BBQ has every reason to fall constantly within the range of targets of complaints from residents of the neighborhoods, and easily becomes one of the most significant emission sources of hazardous air pollutants. Eco-friendly Smokeless BBQ has become what can only be described as a hot trend.

Features



Fume elimination efficiency: $\geq 95\%$.



Epoxy Encapsulated HV Transformer; powerful, stable, energy-saving.



Patented Cylindrical Honeycomb Structure Filter Cells: ensuring maximized particulate removal efficiency.



Consummate electrical safety system, consisting of Arc extinction, repeated flashover protection, short circuit protection, overload protection, transformer overheat protection, etc.

Broad-spectrum Applications

BBQ streets

Residential areas

Pedestrian malls

Shopping streets

Downtown areas

Amusement parks

Public parks

Shopping malls



Specifications

Model	BS-21 6S
Size (LxWxH)(mm)	1915x715x1200
Grilling area (LxWxH)(mm)	1250x300x115
Weight (kg)	300
Power (kw)	1.6

Note: The data above is just for reference. If there is any change, no other notice will be informed. Goods inspection will be subject to the contract.

Advantages



Patented Cylindrical Honeycomb Structure Electric Field

Maximized corona discharging uniformity & electric field intensity, hence maximized purification efficiency. Superior mechanical strength compared with other conventional electric fields, which are apt to get deformed easily during the maintenance and cleaning procedures.



No Manual Cleaning

Can be equipped with PLC device to assure the longtime running without manual cleaning.



High-frequency high-voltage Power Pack

High-frequency high-voltage Power Pack: provided with protection functions against power-off protection, short-circuit, no-load, arcing, overheat, etc.



Centralized control

Centralized control: a standard plug-n-play interface is used for the control of each unit, which is simple and reliable.



Accord with International Standard

The security accords with international standard and the products have got the CE certificate, and passed the test of UL867 and UL710.



Multi-Choice Operational Modes

Users can get the ESP to run in many ways: power on startup, manual startup, timed auto startup, fan linkage startup, or remotely controlled startup, etc.



Detachable Structure

Detachable structure enables the unit to withstand handling onto various cramped jobsites. Less weight and volume of the unit means more space to the kitchen. Detachable parts are better finished, making the whole unit more attractive and durable.



Strict quality control

All the material including the stainless steel sheet and the circuit components (main electronic components apply the international famous brand) has been tested. In the process, the products have been tested by three stages. Finished products 100% will be tested and have trial operation. Procurement, production and after-sale service have been run strictly under ISO quality Management system.



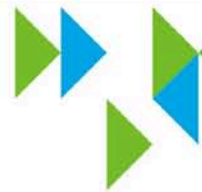
Strict Quality Control

ISO9001:2008 certified quality control system, guaranteeing that all aspects concerning the procurement, products and after-sales services are strictly regulated according to relevant ISO standards, that all raw materials, from the stainless steel sheets to the circuit board components, are of internationally-familiar brands and are strictly tested, and that all finished products have been thoroughly inspected during three different stages of the fabrication and are put to a final comprehensive test, commissioning and trial operation.



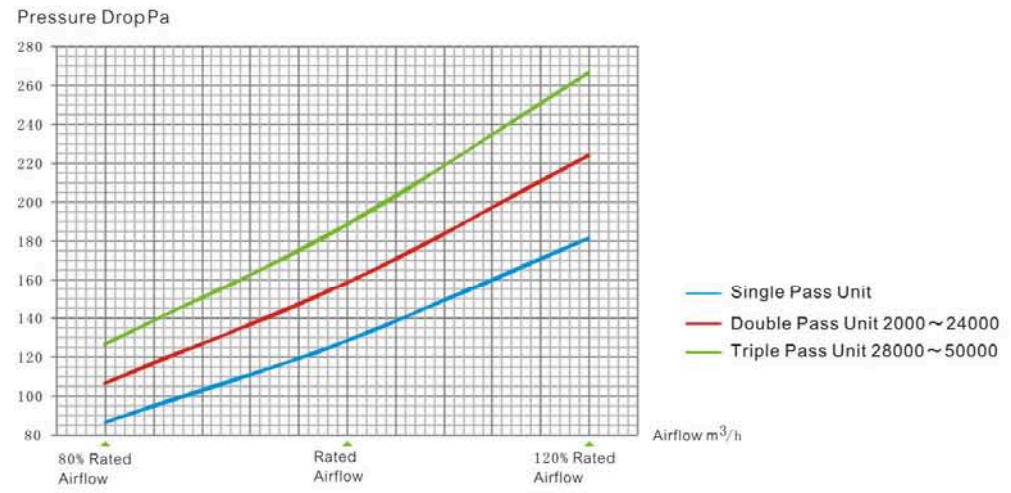
State-of-the-art CNC Machinery

We have introduced a complete set of CNC processing equipment, such as laser-cutting machine, CNC punching machine etc, and also have developed several sets of special processing equipment to achieve a more reasonable structure and finer appearance on our ESP products.

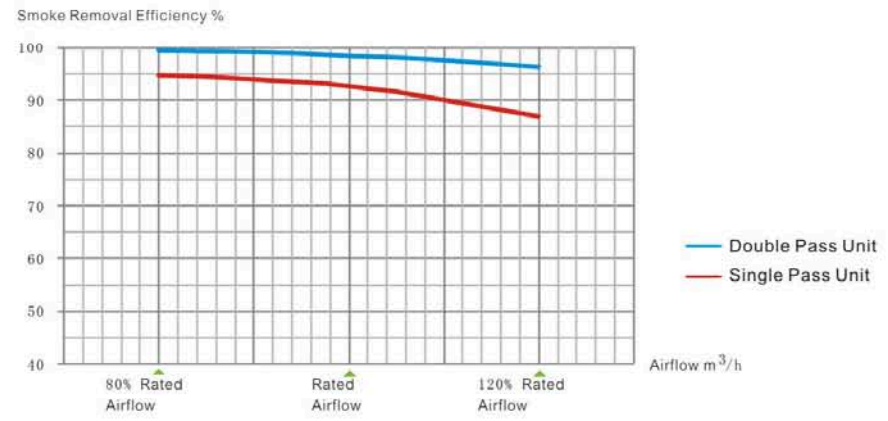


Installation Technology Demonstration

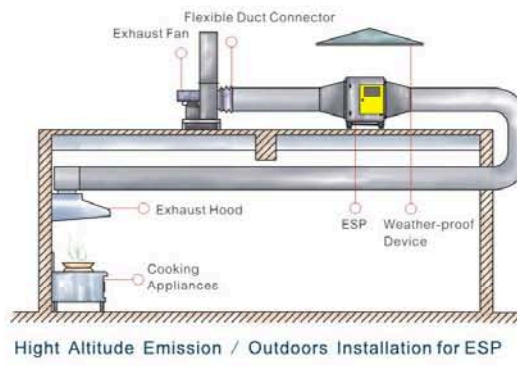
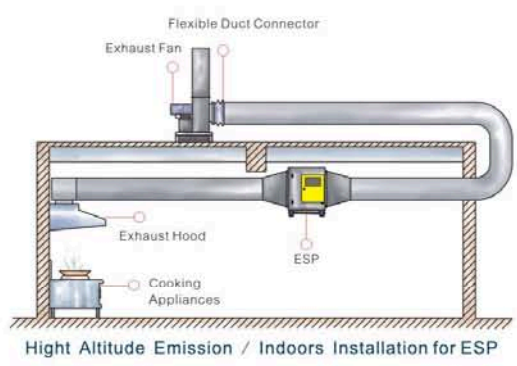
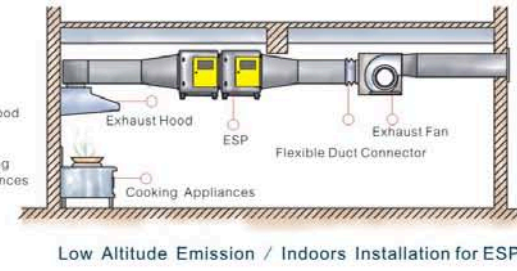
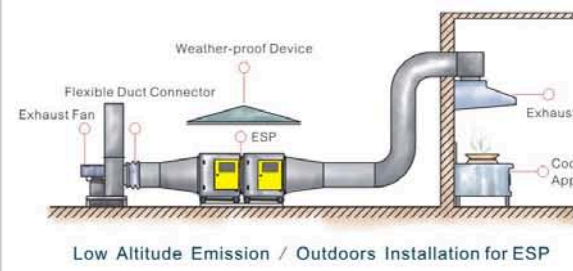
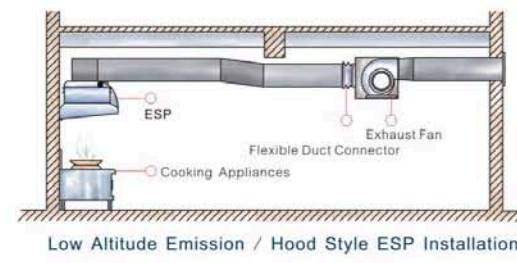
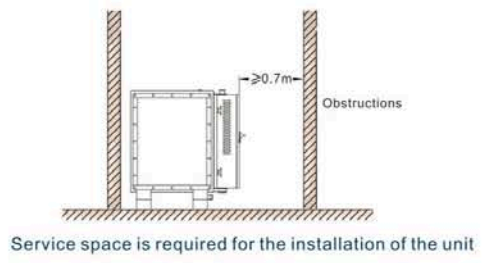
ESP Pressure Drop Curve



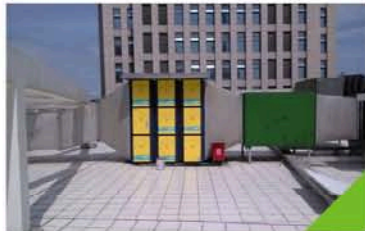
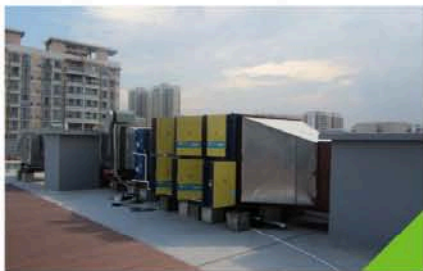
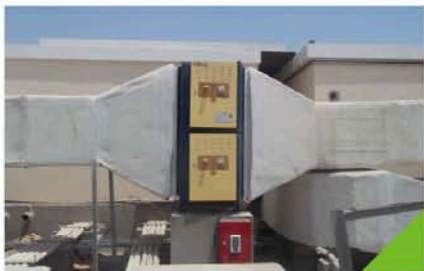
ESP Smoke Removal Efficiency



Note: Data given above is based on lab results and is only for reference.



Applications

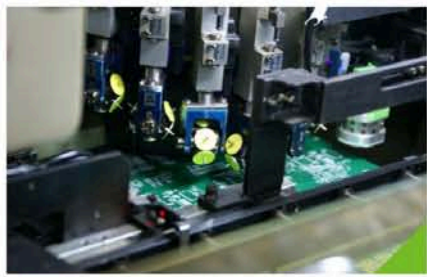


► Company Culture

Devotional R & D, Sci-Tech Innovation



Precise Production, Strict Control



Meticulous Management, Superior Quality



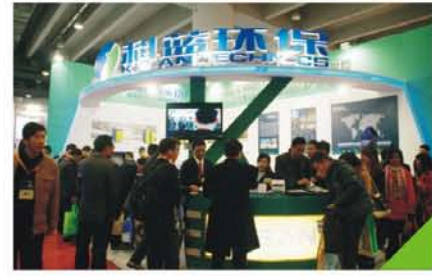
Exceptional Service, Great Value



People-Oriented, Talent-Driven



Brand Marketing, Soft Winning



Honors and Awards



High and New Technology Enterprise



Guangdong Technical Private Enterprise Certificate



Backbone Enterprise of Guangdong Environmental Industry



Member of China Environmental Protection Industry Association



Golden Olive Award
The Best Supplier of Kitchen Appliances



Supplier Assessment Certificate by BV



CE Certificate



ISO9001: 2008 Quality System Certificate

National Environmental Certificate



68 Patent Certificates

Partners



Guangzhou International Finance Centre

Intercontinental Foshan

KingKey 100 Building Shenzhen

CITIC Plaza Guangzhou



ST. REGIS Malaysia

Asian Games Village Guangzhou

World Wide Partners

Partners in the Hospitality Industry

- Guangzhou Westin Hotel (Five-star)
- Beijing Westin Hotel (Five-star)
- Grand Hyatt Guangzhou (Five-star)
- Shenzhen Grand Hyatt Hotel (Five-star)
- InterContinental Foshan Hotel (Five-star)
- Hangzhou Hyatt Regency Hotel (Five-star)
- Guangzhou Oriental International Convention Hotel (Five-star)
- Kempinski Hotel Guiyang (Five-star)
- Chongqing Kempinski Hotel (Five-star)
- InterContinental Chongqing Hotel (Five-star)
- Shenzhen Donghai International Center Hotel (Five-star)
- Foshan Newzhongyuan Hotel (Five-Star)
- Sanya Ramada Hotel (Five-star)
- Howard Johnson Parkview Plaza Erdos (Five-star)
- Zhongshan Hilton Hotel (Five-star)
- Xiamen Seaview Resort (Five-Star)
- Howard Johnson Business Club Shaoxing (Five-Star)
- Tianjin Crowne Plaza Hotel (Five-star)
- Days Hotel Suites Chongqi (Five-star)
- Zhengzhou Perfume Palace Holiday Hotel (Five-star)
- The Chengdu Petrochemical hotel (Five-Star)
- WuDang Argyle Baiqiang Grand International Hotel (Five-star)

Schools and Large Enterprises

- Sun Yat-sen University
- Zhejiang University
- Xiamen University
- Guangzhou University City
- University City Nanhai Shishan
- South China Agricultural University
- Foshan Institute of Technology
- Northeast Normal University
- Tianjin College of Engineering
- Yunnan University
- Taiyuan University of Technology
- Guangzhou New Baiyun Airport
- Changsha Airport
- Midea Group's new headquarters building
- Guangzhou Toyota
- FAW-Volkswagen
- Dongfeng Nissan Huadu Plant
- Chery Automobile
- Shenzhen Epsom
- Foxconn Group
- Pioneer Electronics in Dongguan
- Tianjin Master Kong
- Tianjin Yamaha
- China Mobile Southern Base
- Toshiba electrical appliances Nanhai
- Nanhai CMO
- Armed Police Corps Nanning
- Shiyan City People's Hospital
- Beijing Huawei Group
- Dongguan Yamada toys Industrial Park
- Chongqing National Grid
- Shenzhen Sanyo Electrical
- Zhuhai Gree
- Chengdu University of Electronic Science and Technology
- Guangzhou Pazhou International Exhibition Center
- Xiamen International Conference and Exhibition Center

Commercial Plazas

- Guangzhou Asian Sports Village
- Guangzhou West Tower
- Guangzhou CITIC Plaza
- Guangzhou Wanda Plaza
- Guangzhou Winner Plaza
- The Kingkey 100, Shenzhen
- Foshan Nanhai Square
- Olympian City, Hong Kong
- Qingdao King Street Shopping Plaza
- Tianjin Bay Plaza Capitaland Mall
- Kunming Expo Park
- Nanchang Sheng Jinta food street
- Zhuzhou Emperor Yan Square
- Nanjing SEG Digital Square
- Sanyuan Food Street, Sanming City
- Foshan Tour Mall, Deshenglou food street
- Jiangyin Haizhongtian Hongkong Food City
- Fenggangli Food Street, Sanming City
- Dongjin Road Food Street, Yancheng City
- Powerlong Market Square, Yancheng City
- Shunde Fengcheng Shidu food stree
- Shenzhen City Dongxin Holiday Plaza
- Shenzhen City East Gate Town Commercial Plazat
- Qingdao Zhongfang Shangjie Commercial Street

Chain Restaurants

- Guangzhou Restaurant
- Quanjude
- Macdonald's
- Yum
- Dicos
- Yon Ho
- Hainan Longquan Group
- Greenery Cafe
- UBC Coffee
- Zkongfu Restaurant
- Private Yunnan Cuisine
- Jia Wang Restaurant
- Da Niang Dumpling
- Jiale Yuan Restaurant
- Maojia Restaurant
- Rhine-Pavilion Western Food Restaurant
- Hainan Yangzhuang
- Mengziyuan Restaurant
- Shunfeng Restaurant
- Yoshinoya Restaurant
- Taoranju Restaurant
- Little Sheep Restaurant
- Tianjin Goubuli
- South Beauty