

**STULZ**

CLIMATE. CUSTOMIZED.



**i-AHU**

**Intelligent AIR HANDLING UNITS**



# STATE OF THE ART **PRODUCTION FACILITY** IN INDIA

Located in Navi Mumbai, Maharashtra spread across 174,000 square feet.

Largest Engineering Excellence Centre (EEC) outside Germany for global research and development (R&D) and India specific product innovations.

Fully assembled or semi-knocked down packaging, shipping and installation across India.

# German Engineered

# INTELLIGENT

## Air Handling Units

- BMS ready programmable controller with instrumentation
- Integrated power panel
- In-built EC fan - permanent magnet motors
- Factory fitted control valve
- Rockwool insulation cased in 1 mm GI sheets



- Up to 60% extra savings in energy
- Up to 30% less space required
- Lowest noise levels
- Quickest return on investment
- International fire safety standards compliant, no toxic fumes.

# WIDE RANGE OF INDUSTRIAL AND COMMERCIAL APPLICATIONS



Hospitals | Pharma |  
Manufacturing |  
Clean Rooms



Data Centers |  
Power Plants |  
Semi Conductors



Hotels | Airports |  
Malls |  
Commercial Buildings

# The **STULZ** Edge

CLIMATE. CUSTOMIZED.

## Performance assured by German Engineering



STULZ is a multinational with its headquarters in Hamburg, Germany. It has 19 subsidiaries globally, 9 production sites and sales service partners in over 140 countries. It has been a world market leader in air conditioning for mission critical applications for over 40 years.

STULZ engineered products are synonymous with efficiency and cost effective operations.

## State of the art witness test center

The STULZ state of the art witness test center at its India production facility, is equipped for a variety of tests on all equipment, on request. Tests are conducted as per DIN standards to ascertain system performance and energy consumption in simulated design conditions.



## Prompt pan-India doorstep service



STULZ India has a nationwide, company network of factory trained HVAC technicians for prompt doorstep service covering over 150 locations.

Pan-India technicians and service centers are connected via a smart service app.

**i-AHU**

UV Lamp  
• Hygiene Standards Compliant



# INTELLIGENT.

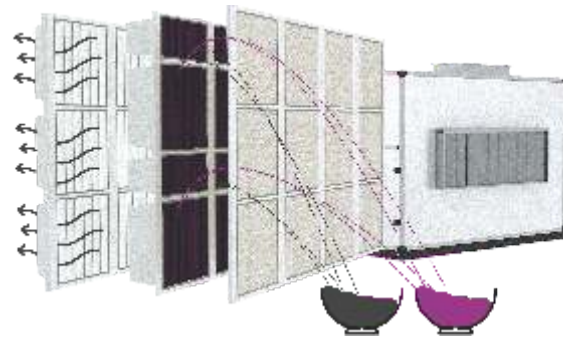
Easy to operate.  
Of international fire safety and  
air quality standards.



Air Damper



Electric Heater  
• Artificial Load  
• In-built Overheat Protection



Air Filters  
• Particulate - Pre/Fine  
• Gas Phase - Chemical Media

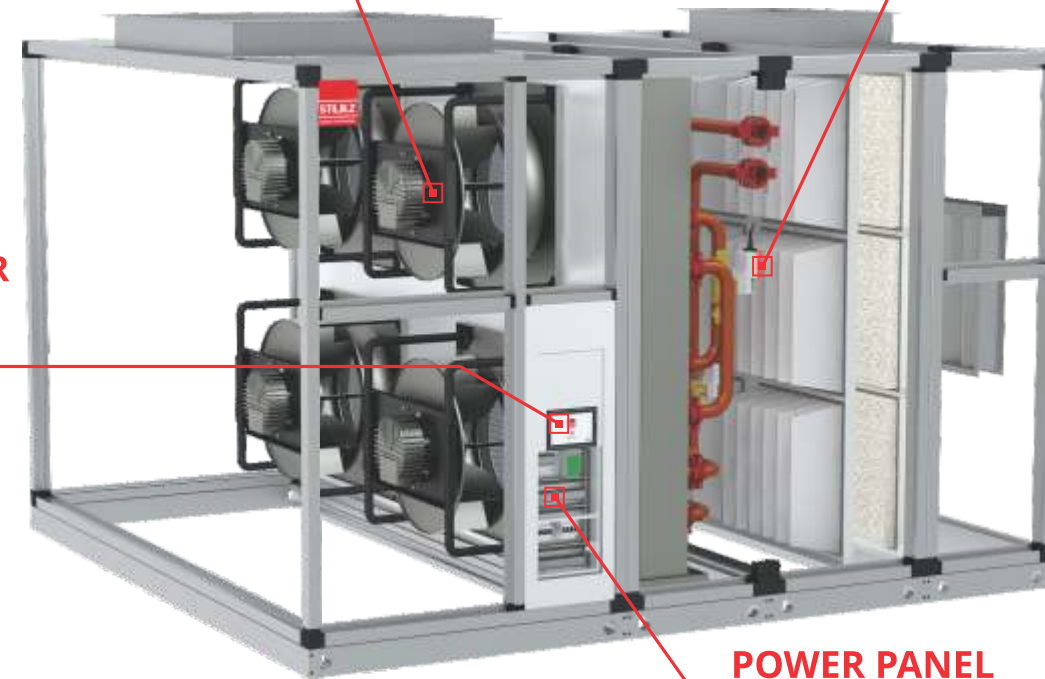


Heat Recovery Wheel  
• Reduces Fresh Air Load

**INTELLIGENT CONTROLLER  
INBUILT**

**EC FANS  
INBUILT**

**CONTROL VALVE  
INBUILT**



**POWER PANEL  
INBUILT**



Coils with Control Valves  
• DX and Chilled Water Options  
• Valve Options: 2 Way/ PIDBV/ Energy Valve



Humidifier  
• Electrode Steam  
• Ultrasonic Mist



Fan Technology  
• Plug Fans with EC Motor  
• Highest Energy Efficiency  
• MTBF of 80000 hrs.



Controller  
• Microprocessor Based  
• BMS Connectivity  
• User Friendly HMI

# Programmable Controller

## Intelligent Features

- Auto-manual operation with speed control
- Energy efficient control of fan and chilled water valve
- Freely configurable alarm inputs
- BMS connectivity (option of Modbus/BACnet protocols)
- User friendly HMI
- Real time display of unit parameter



## Display Parameters

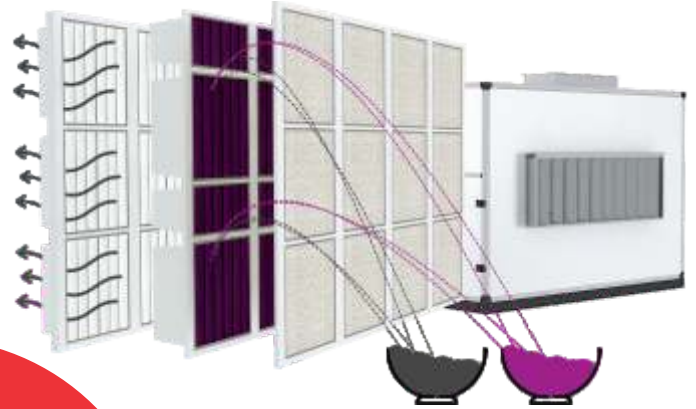
- Air inlet/outlet temperature
- Water inlet/outlet temperature
- Air flow volume
- KW consumption
- CO<sub>2</sub> / VOC ppm
- CHW valve status
- EC fan status
- Optional pressure control
- Common alarm

# Air Purifiers and Air Scrubbers

## Fresh Air Indoors

Air Purification with CO<sub>2</sub> / VOC sensing built into "Intelligent" Air Handling Units

- Particulate Filters  
MERV 8 - MERV 13
- Chemical Media Filters
- Hepa Filters
- Carbon Filters
- Electrostatic Filters



Prevent  
'SICK BUILDING  
SYNDROME'

## Applications

- Commercial Buildings
- Hospital – Operation Theaters
- Clean Rooms
- Refineries
- Industrial Zones
- Food Processing
- Warehouse Odor Management
- Other Chemicals, Pathogens, Odors and Suspended Particulate Matter Management.

Options available for standalone, customized **air scrubbers** or **air purifiers** with **BMS ready intelligent controller** and **EC fan technology**



# CUSTOMIZATION

Customize the Air Handling Unit to your requirements with a range of options.

Suitable to  
integrate with  
**VRF DIRECT  
EXPANSION  
SYSTEMS**

- Extended range upto 180,000 CMH
- Treated Fresh Air Units in CHW/DX configurations
- Optional profile thickness:  
25 mm/ 45 mm/ 55 mm
- Filtration options for suitable indoor air quality
- Rooftop or outdoor installation
- Hydrophilic or anti corrosive coating on coils



- UV lamps/ Heater/ Humidifier
- Dual power supply with automatic or manual switchover
- Heat recovery options (wheels or coils)
- Adiabatic pre-cooling with pads / spray nozzles
- DX configurations with air-cooled / water-cooled condensers
- Scroll compressors - Fixed/ Digital/ Inverter

**Registered Office :**

**STULZ-CHSPL (INDIA) PVT. LTD.**

006, Jagruti Industrial Estate, Mogul Lane,  
Mahim, Mumbai - 400 016  
Tel. +91 (22) 66669055/56/57  
Fax. +91 (22) 66669448  
info@stulz.co.in

**Factory :**

**STULZ-CHSPL (INDIA) PVT. LTD.**

A-173 & 173/1, TTC Industrial Area,  
Kopar Khairne, MIDC,  
Navi Mumbai - 400710.

**Branch Office :**

**PUNE**

C-202, Survey No. 156/1, B-1,  
"Bageshri" Raagdari Apartments,  
D.P.Road, Aundh,  
Pune - 411007.

**BANGALORE**

127/18, A-3, Gem Wellington Bldg,  
Gr. Flr, Old Airport Road,  
Next to HDFC Bank,  
Bangalore - 560 017.

**CHENNAI**

146/207, 1st Floor,  
Ramana Towers,  
R.K.Mutt Road,  
Mandaveli,  
Chennai - 600028.

**HYDERABAD**

9-4-84/71,  
Kakatiya Nagar, Nanal Nagar, Mehdiapatnam,  
Hyderabad - 500 008

**NCR**

406, 4th Floor,  
Ansal Chamber - II,  
Bhikaji Cama Place,  
New Delhi - 110 066.

**KOLKATA**

17/36, Ground Floor, Dakshindari Road,  
Kolkata - 700048.

GERMANY  
AUSTRALIA  
AUSTRIA  
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NEW ZEALAND  
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USA

**Close to you around the world**

Stulz has worked towards lowering expenses by reducing operating costs, life cycle costs and power consumption. Now the same German efficiency is available in India at an unbeatable price advantage!

For further information, please visit our website at [www.stulz.in](http://www.stulz.in)