

Swagon

SWAGON ENGINEERING PVT. LTD.



OUR PHILOSOPHY

We at SwagOn Engineering Pvt. Ltd as an Industrial Engineering Firm, it is our strong belief that we are mandated to bring OBJECTIVITY and VALUE to our client's projects. We assure that we are diligent to these philosophies by developing a close relationship with clients, starting with an accurate definition of scope and deliverables, and providing the highest quality workmanship, expertise and perfection to each project. We maintain a level of flexibility in our solutions to allow or immediate response to our client's ever changing demands.

QUALITY

We at **SWAGON** follow a rigorous process t 5 Step o maintain our quality.

Planning - Rely on "SWAGON"

Planning is the most essential part of any successful project. We take pride in partnering with our customers to ensure our solution provides optimum system performance. We ensure that our design meet the changing requirements and provide an ease of maintenance for the life of the unit. **Swagon** offers the innovative design solutions planned by its team of design engineers, project managers and field installation specialists. Planning-Rely on "Swagon"

Custom design and manufacturing to fit your needs

Swagon's fully customized units are engineered and tested to meet the most severe physical constraints with the versatility to meet all Clean Room needs in a variety of applications. All of our units are backed by expert designs and engineering assistance. With over 25 years of experience in Clean Rooms our unique design enables an efficient performance whether the unit is built in the factory, built on-site or retrofitted to an existing unit.

System design – built for quality built to last

Custom design and manufacturing to fit your needs Our systems are built for durability and reliability which translates to maximized equipment up-time. Our systems comes with reduced operational, service and maintenance costs as well as minimal replacements expenses. All these provide the customers with lower operational costs for their Clean Room System during the overall life cycle of the product. We use the highest quality industrial components to provide optimum system efficiency and superior equipment reliability. Our design focuses on service spaces, accessibility and service features for ease of maintenance and servicing. **Swagon** offer equipment integrity and reliability unsurpassed in the industry, promoting a long, reliable life by providing excellent indoor air quality.

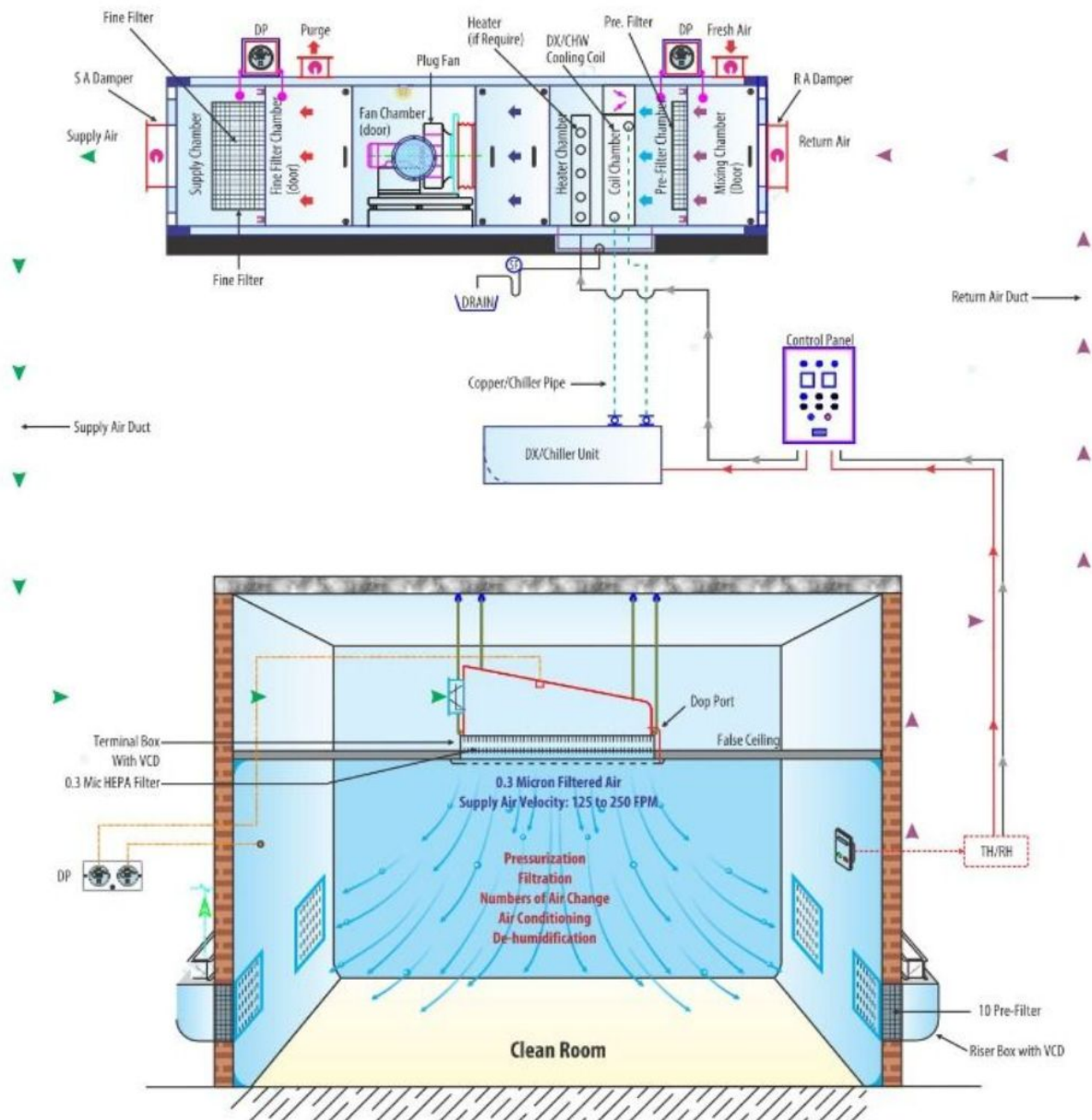
Full installation service from factory trained experts

System design – built for quality built to last **Swagon** offers complete field service installation capability, including on site assembly field supervision, start-up services and training. The customer service team of **Swagon** coordinates the field services. **Swagon** also has the unique ability to provide on site assembly of units directly into the space required from factory fabricated pieces. On-site installation services allow assembly of air handling units in place while maintaining architectural prominence and integrity of the existing building.

We're your one-source custom solution provider

Full installation service from factory trained experts **Swagon** is committed to provide the highest quality service in the Clean Room Product industry by being your single source solution provider with design engineering, project management, field installation and maintenance service. Our customer service technicians can be counted on for parts, service, support, engineering advice or maintenance for the life of your system.

CLEAN ROOM CONCEPT



Easily Up gradable



Installation



Easy Maintenance



Save Power



Long Life

WE SIMPLIFIED **CLEAN ROOM** IN TERMS OF • REQUIREMENTS • ECONOMICAL • UNDERSTANDABLE



we provide free
advice without any
order commitment



Single source for
all your requirements
to meet schedule M



All our design
are in accordance
with GMP



Units starting
from as low as
Rs. 60,000 onwards



Low cost of
operation and
maintenance



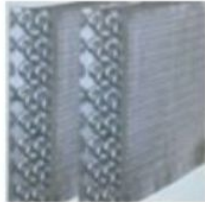
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AIR HANDLING UNIT

Easy access filter



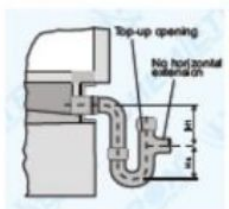
High efficient coils
Easy access filter
and easy maintenance



High Performance Blowers
Type: DIDW forward
curved / backward curved /
Belt or direct driven/Plug fan etc.)



SA/RA/FA Dampers



Drain Pan for ease of cleaning



Convenient Access Door



Double skinned
casing with AI,
Framed & Injected PUF



Air-vibration Isolators

Total Hygienic solution for Clean Air-System

Improved indoor air Quality • Flexible • Energy Efficient • Low noise level • Wide Range
Performance generally in accordance with ANSI / ARI Standard - 430, AMCA, ISO 14644 & CEN Standards

DE - HUMIDIFIER DO DRY

“Swagon” De-humidifier operates on the principle of adsorption of water vapor from the Air. The desiccant used is silica gel. The desiccant & substrate are arranged on a wheel-shaped rotor matrix having thousands of small parallel Air passages extending through its thickness. The desiccant rotor is housed in a specially designed enclosure that is separated into process & reactivation section, in the process section, moist air passes through the rotor & silica gel absorbs the moisture. The reactivation air stream may be heated by electricity, steam, hot water or natural gas depending on the application & available utilities.

Delivered efficient result with guaranteed performance in De-humidification with RH 15% @ 18+2°C for soft gel & paint ball drying line.

Delivered efficient result with guaranteed performance in de-humidification with RH 1% @ 50°C in powder drying for tablet

Designed for industrial process, including low dew point application.

Process Air Outlet



Process Air Inlet



Regeneration Air Inlet



TYPICAL APPLICATION



Soft Gel Capsule



Capsule



Tablet



Dry Powder



Paint Ball

Corrosion Prevention	Mold/fungus Prevention	Product Drying	Condensation Prevention
Moisture Regain Prevention	Packing & Storage	Dry Cooling	Brew Process

MODULAR PARTITION / CEILING / DOOR

Wall panels form a substantial part of our product offerings. Wall panels are manufactured in standard sizes and can also be customized depending on the requirement.

A perfect ceiling makes a perfect clean room, ceiling systems are designed to fit every requirement and adhere to stringent quality standards that fit in seamlessly with the rest of the room paneling. The ceiling panels are fastened to profile that are placed on heavy duty GI pipe with caulked silicone sealant.

Door system combine the best material and are finished to perfection, a reflection of the organization's commitment to quality norms. The unique feature of door system is concealed hardware that enables easy fixing to the wall panels.

Standard Size

- 1150/2700 mm (custom size available on request)
- MOC: Pre-coated GI with PC/SS-304/powder coated/combination
- Panel thick: 25mm to 150mm
- Insulation: Injected PUF @ 40Kg/m³
- Factory-made cutouts filter box/pass boxes/gauge/other utilities.
- Utilities panel/service panel
- Inside conduit for cable entry
- Pre-fabricated riser for return air (Conceal/projected type)

Standard Size

- 1150/2700 mm (custom size available on request)
- MOC: Pre-coated GI with PC/SS-304/powder coated / combination
- Ceiling thick: 25mm to 80mm thick
- Insulation: injected PUF @ 40kg/m³
- Factory-made cutouts Filter Box/light/other utilities.

Standard Size

- Width-1000/1200/1500, height-2100 mm (Custom size available on request)
- SS 'D' handle/push plate/ kick plate/ latch handle
- Moc: Pre-coated GI with PC/SS-304/powder coated/ combination
- Insulation: 45mm thick PUF Injected @ 40kg/m³
- Aluminum extruded door frames duly powder coated
- Drop seal (Auto/Manual)



DE - HUMIDIFIER DO DRY

