



VERTEX AIR

TECHNOLOGIES PRIVATE LIMITED

An ISO 9001 : 2008 COMPANY
(Redefining Standards)

... One stop destination for innovative air management products



HVAC

Heating • Ventilation • AirConditioning • Cooling

Complete range of

- Air handling units
- Ventilation Systems
- Air distribution products
- Heat recovery units



Redefining Standards



Life Science



Commercial Building



Pharmaceutical Industry



Hotels



Biotech



Hospitals

VERTEX AIR
TECHNOLOGIES PRIVATE LIMITED

Vertex Air Technologies partners with all large industry segments and commercial establishments including the pharmaceutical, Biotech, life sciences and hospital industries, supporting them in the pursuit of establishing and maintaining international standards of quality and service.

Company Introduction

Vertex Air Technologies was established with a vision to offer clients a one stop solution for all HVAC, Clean Room products and services. Since 2003, the Management of Vertex Air Technologies, operating through NxGen Technologies has successfully executed numerous HVAC and Clean Room projects for pharmaceutical, biotech, life sciences and other industries, approved and recognized by International Accreditation agencies including USFDA, ISO, TGA, EU and WHO.

Vertex Air Technologies, the manufacturing entity in the group, operates a state of the art manufacturing facility using the latest technology at Pashamylaram, Hyderabad A.P. This manufacturing facility is one of the largest facilities for the manufacture of Air Handling Units in the region.

- World class AHUs with capacities range from 500 cfm to 90000 cfm
- Plant manufacturing capacity of 700 and more AHUs per year
- Optimized use of technology and software with integrated CNC manufacturing equipment to minimize manual interface
- Minimum manufacture and fastest delivery times



Our Priorities

Vertex Air Technologies is dedicated to making a positive contribution to the development of the industry, with focus on the quality of our product, using responsible business practices that are being environmental friendly.

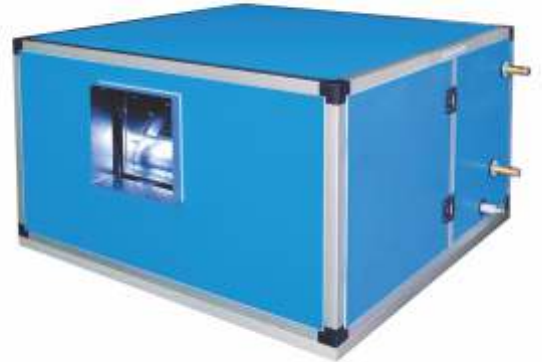
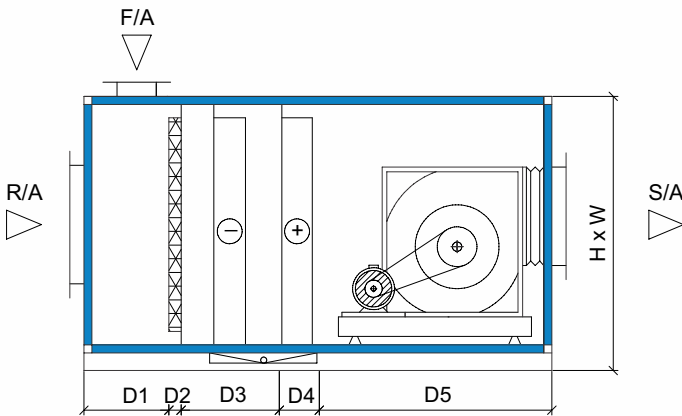
Vision :

To set a standard of excellence in manufacturing world class products in the field of HVAC and Clean Room technology.

Mission :

To provide quality products utilizing innovative technology, skilled manpower and effective quality control techniques and tools.





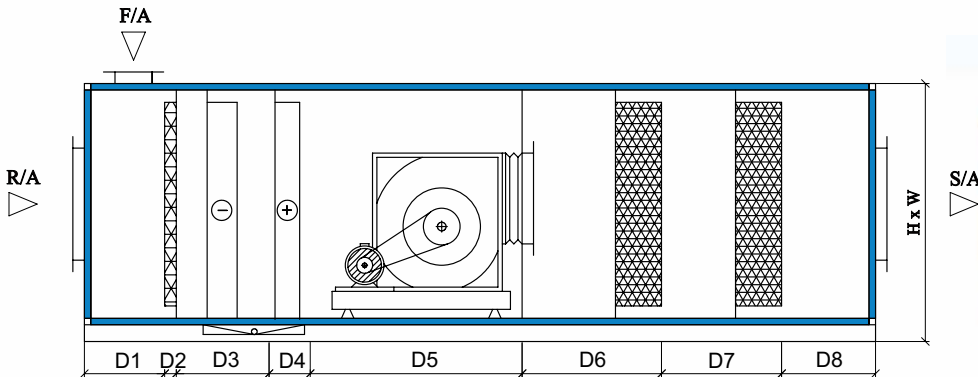
SPECIFICATIONS OF HORIZONTAL TYPE AHU

MODEL	CAPACITY CFM	FAN SIZE	COIL AREA (SFT.)	HEIGHT H	WIDTH W	DEPTH				
						M/C D1	PRE D2	CWC D3	HWC D4	FAN D5
VATHU-10	1000	7" X 7" X 1	2.0	600	800	450	50	450	300	600
VATHU-12	1200	7" X 7" X 1	2.4	725	850	450	50	450	300	600
VATHU-15	1500	9" X 9" X 1	3.0	725	900	450	50	450	300	650
VATHU-20	2000	10" X 10" X 1	4.0	850	1050	450	50	450	300	700
VATHU-30	3000	12" X 12" X 1	6.0	850	1200	450	50	450	300	800
VATHU-40	4000	15" X 15" X 1	8.0	900	1400	450	50	450	300	900
VATHU-50	5000	18" X 18" X 1	10.0	1075	1500	450	50	450	300	1050
VATHU-60	6000	450 X 1	12.0	1175	1500	450	50	450	300	1100
VATHU-70	7000	450 X 1	14.0	1250	1600	500	50	500	300	1100
VATHU-80	8000	500 X 1	16.0	1400	1600	500	50	500	300	1200
VATHU-90	9000	500 X 1	18.0	1500	1650	500	50	500	300	1200
VATHU-100	10000	560 X 1	20.0	1500	1750	500	50	500	300	1300
VATHU-120	12000	630 X 1	24.0	1575	1975	550	50	550	300	1450
VATHU-150	15000	710 X 1	30.0	1775	2200	550	50	550	300	1600
VATHU-160	16000	710 X 1	32.0	1850	2175	550	50	550	300	1600
VATHU-180	18000	710 X 1	36.0	1850	2600	550	50	550	300	1600
VATHU-200	20000	800 X 1	40.0	1850	2650	600	50	600	300	1800
VATHU-225	22500	800 X 1	45.0	2100	2575	600	50	600	300	1800
VATHU-250	25000	900 X 1	50.0	2300	2600	600	50	600	300	2000
VATHU-285	28500	900 X 1	57.0	2575	2600	600	50	600	300	2000
VATHU-300	30000	1000 X 1	60.0	2575	2750	600	50	600	300	2150
VATHU-320	32000	1000 X 1	64.0	2750	2800	600	50	600	300	2150
VATHU-350	35000	1000 X 1	70.0	2750	3050	600	50	600	300	2150

All dimensions are in mm

S/A - Supply Air; F/A - Fresh Air; R/A - Return Air;

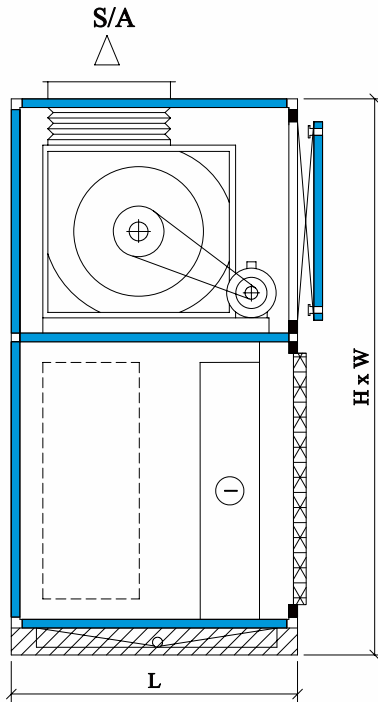
All specifications subjected to change without any prior notice.



SPECIFICATIONS OF HORIZONTAL TYPE AHU (ABSOLUTE FILTER)

MODEL	CAPACITY CFM	FAN SIZE	COIL AREA (SFT.)	HEIGHT H	WIDTH W	DEPTH							
						M/C	PRE	CWC	HWC	FAN	MV	HF	PLENUM
						D1	D2	D3	D4	D5	D6	D7	D8
VATHU-010-E	1000	200 X 1	2.0	725	850	450	50	450	300	675	850	850	450
VATHU-12.03.E	1200	200 X 1	2.4	880	850	450	50	450	300	675	850	850	450
VATHU-15.03.E	1500	225 X 1	3.0	900	950	450	50	450	300	725	850	850	450
VATHU-20.03.E	2000	250 X 1	4.0	1000	1050	450	50	450	300	775	850	850	450
VATHU-30.03.E	3000	315 X 1	6.0	1000	1250	450	50	450	300	900	850	850	450
VATHU-40.03.E	4000	355 X 1	8.0	1000	1425	450	50	450	300	1000	850	850	450
VATHU-50.03.E	5000	400 X 1	10.0	1075	1525	450	50	450	300	1100	850	850	450
VATHU-60.03.E	6000	450 X 1	12.0	1225	1525	450	50	450	300	1200	850	850	450
VATHU-70.03.E	7000	450 X 1	14.0	1325	1725	500	50	500	300	1200	850	850	450
VATHU-80.03.E	8000	500 X 1	16.0	1450	1725	500	50	500	300	1275	850	850	450
VATHU-90.03.E	9000	500 X 1	18.0	1500	1750	500	50	500	300	1275	850	850	450
VATHU-100.03.E	10000	560 X 1	20.0	1575	1750	500	50	500	300	1400	850	850	450
VATHU-120.03.E	12000	630 X 1	24.0	1625	2050	550	50	550	300	1500	850	850	450
VATHU-150.03.E	15000	710 X 1	30.0	1850	2250	550	50	550	300	1650	850	850	450
VATHU-160.03.E	16000	710 X 1	32.0	1900	2250	550	50	550	300	1650	850	850	450
VATHU-180.03.E	18000	710 X 1	36.0	1900	2750	550	50	550	300	1650	850	850	450
VATHU-200.03.E	20000	800 X 1	40.0	1900	2750	600	50	600	300	1875	850	850	450
VATHU-225.03.E	22500	800 X 1	45.0	2200	2700	600	50	600	300	1875	850	850	550
VATHU-250.03.E	25000	900 X 1	50.0	2375	2750	600	50	600	300	2050	850	850	550
VATHU-285.03.E	28500	900 X 1	57.0	2650	2750	600	50	600	300	2050	850	850	550
VATHU-300.03.E	30000	1000 X 1	60.0	2650	2750	600	50	600	300	2200	850	850	550
VATHU-320.03.E	32000	1000 X 1	64.0	2800	2800	600	50	600	300	2200	850	850	550
VATHU-350.03.E	35000	1000 X 1	70.0	2800	3050	600	50	600	300	2200	850	850	550

All dimensions are in mm
 S/A - Supply Air; F/A - Fresh Air; R/A - Return Air;
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FLOOR MOUNTED VERTICAL UNITS

MODEL	CAPACITY CFM	UNIT DIMENSIONS			COIL AREA SFT.	FAN SIZE
		Length (mm)	Width (mm)	Height (mm)		
VATFMVU-10	1000	600	900	1000	2.08	7/7
VATFMVU-12	1500	600	1080	1120	3.13	9/9
VATFMVU-15	2000	680	1180	1200	4.13	10/10
VATFMVU-20	2500	660	1520	1150	5.10	9/9 X 2
VATFMVU-30	3000	660	1550	1150	6.08	9/9 X 2
VATFMVU-40	3500	660	1760	1150	7.05	9/9 X 2
VATFMVU-50	4000	680	2020	1200	8.26	10/10 X 2
VATFMVU-60	4500	680	2020	1260	9.44	10/10 X 2
VATFMVU-70	5000	800	2140	1350	10.00	12/12 X 2
VATFMVU-80	6000	800	2140	1450	12.50	12/12 X 2
VATFMVU-90	7000	900	2240	1580	14.51	15/15 X 2
VATFMVU-100	8000	900	2320	1640	16.67	15/15 X 2

All dimensions are in mm

S/A - Supply Air; F/A - Fresh Air; R/A - Return Air;

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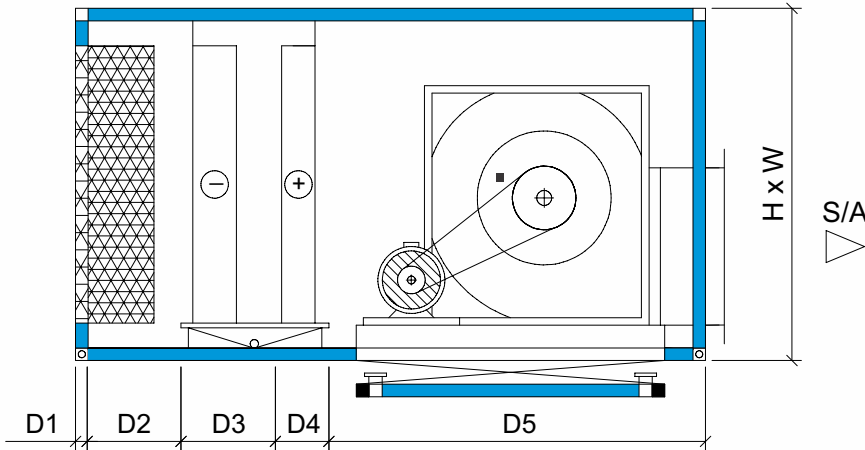
VENTILATION UNITS

MODEL	CAPACITY CFM	UNIT DIMENSIONS			COIL AREA SFT.	FAN SIZE
		L (mm)	W (mm)	H (mm)		
VATHVU-10	1000	800	650	550	100	7"/7"
VATHVU-12	1500	880	750	580	100	9"/9"
VATHVU-15	2000	930	850	625	100	10"/10"
VATHVU-20	3000	1000	870	700	100	12"/12" X 2
VATHVU-30	4000	1125	1030	790	100	15"/15" X 2
VATHVU-40	6000	1280	1200	980	100	18"/18" X 2
VATHVU-50	8000	1425	1360	1220	100	500
VATHVU-60	10000	1500	1450	1370	100	560
VATHVU-70	12000	1600	1525	1500	100	560
VATHVU-80	15000	1600	1650	1480	100	630
VATHVU-90	18000	1900	1850	1660	100	710
VATHVU-100	20000	2050	2050	1740	100	800
VATHVU-100	24000	2050	2050	1850	140	800
VATHVU-100	30000	2300	2300	1940	140	900
VATHVU-100	35000	2400	2500	2080	140	1000
VATHVU-100	40000	2500	2600	2080	140	1000

All dimensions are in mm

S/A - Supply Air; F/A - Fresh Air; R/A - Return Air;

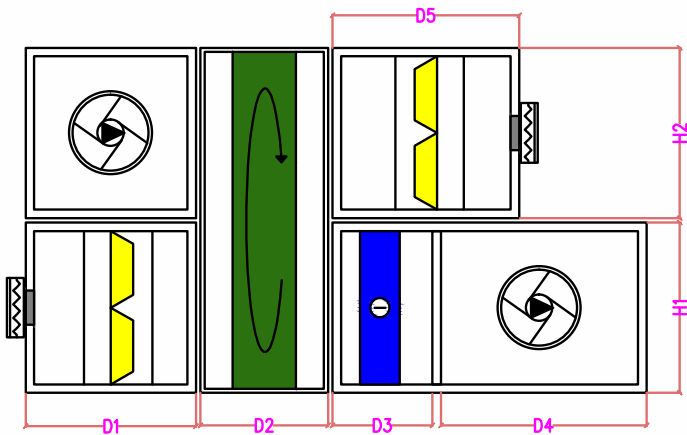
All specifications subjected to change without any prior notice.



SPECIFICATIONS OF CEILING SUSPENDED AHU (DRAW THROUGH FINE FILTER)

MODEL	CAPACITY CFM	FAN SIZE	COIL AREA (SFT.)	HEIGHT H	WIDTH W	LENGTH				
						PF	MV	CWC	HWC	Fan
						D1	D2	D3	D4	D5
VATCSU-010	1000	7" X 7" X 1	2.0	500	900	50	400	450	300	850
VATCSU-15.50	1500	9" X 9" X 1	3.0	625	950	50	400	450	300	900
VATCSU-20.50	2000	10" X 10" X 1	4.0	625	1125	50	400	450	300	950
VATCSU-25.50	2500	12" X 12" X 1	5.0	675	1200	50	400	450	300	1100
VATCSU-30.50	3000	12" X 12" X 1	6.0	725	1375	50	400	450	300	1100
VATCSU-35.50	3500	15" X 15" X 1	7.0	800	1425	50	400	450	300	1150
VATCSU-40.50	4000	15" X 15" X 1	8.0	800	1525	50	400	450	300	1150
VATCSU-45.50	4500	18" X 18" X 1	9.0	900	1450	50	400	450	300	1300
VATCSU-50.50	5000	18" X 18" X 1	10.0	900	1600	50	400	450	300	1300
VATCSU-60.50	6000	18" X 18" X 1	12.0	900	1750	50	400	450	300	1300

All dimensions are in mm
 S/A - Supply Air; F/A - Fresh Air; R/A - Return Air;
 All specifications subjected to change without any prior notice.



WHEEL TYPE HEAT RECOVERY

Heat Recovery Units

Unit Model	Unit CFM	Unit overall Dimensions								Coil Face Area Dia	Wheel Dia (mm)	Fan Dia (mm)
		Length (mm)					Width (mm)	Height (mm)				
		D1	D2	D3	D4	D5	W	H1	H2			
VATHU-015 HR	1500	1000	600	400	1000	1000	1050	820	820	3.0	700	225
VATHU-020 HR	2000	1400	600	400	1040	1000	1150	820	820	4.0	800	250
VATHU-025 HR	2500	1080	600	400	1080	1000	1250	820	820	5.0	900	280
VATHU-030 HR	3000	1180	600	400	1180	1000	1350	860	860	6.0	1000	315
VATHU-035 HR	3500	1240	600	400	1240	1000	1450	940	940	7.0	1100	355
VATHU-040 HR	4000	1240	600	400	1240	1000	1550	940	940	8.0	1200	355
VATHU-060 HR	6000	1420	600	400	1420	1000	1750	1140	1140	12.0	1400	450
VATHU-080 HR	8000	1500	600	400	1500	1000	2050	1200	1200	16.0	1700	500
VATHU-100 HR	10000	1400	650	450	1400	1050	2250	1440	1440	20.0	1900	560
VATHU-120 HR	12000	1520	650	450	1520	1050	2350	1480	1480	24.0	2000	630
VATHU-140 HR	14000	1520	650	450	1520	1050	2550	1480	1480	28.0	2200	630
VATHU-150 HR	15000	1640	650	450	1640	1050	2550	1740	1740	30.0	2200	710
VATHU-160 HR	16000	1640	650	450	1640	1050	2750	1620	1620	32.0	2400	710

All dimensions are in mm
 All specifications subjected to change without any prior notice.

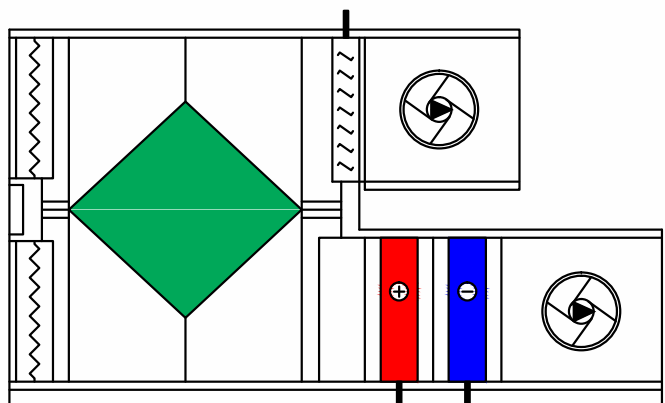


PLATE TYPE HEAT RECOVERY UNIT

The Accessories



Buckhead lamp



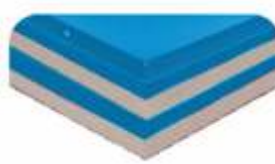
Limit Switch



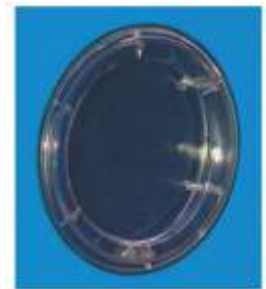
Blower



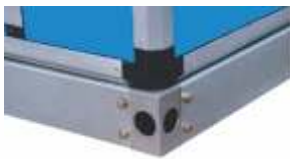
Hinges & Locks



Panel



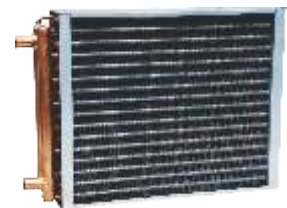
Inspection Window



Base Frame



C Type door handle



Cooling Coil



Frame Works



Drain Pan



Fan & motor Modules



Filter Section



Volume Control Damper



Motor bracket



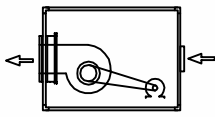
Heat Recovery Wheels



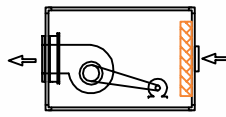
Flexible Connection

VARIOUS AHU CONFIGURATIONS

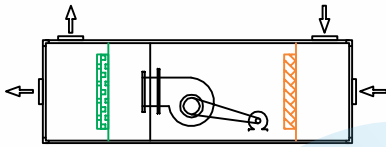
VENTILATION, SUPPLY AND EXHAUST UNITS



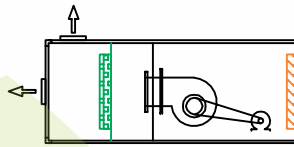
BLOWER ONLY



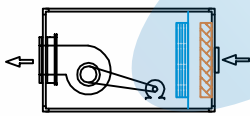
PRE FILTER
BLOWER



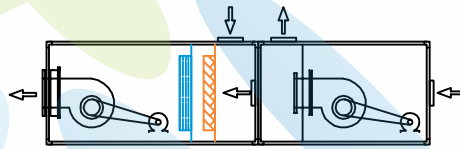
MIXING CHAMBER
PRE FILTER
BLOWER
FINE FILTER
S.A. PLENUM



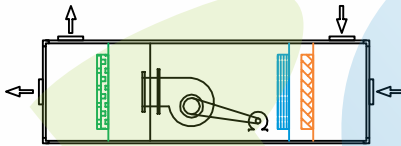
PRE FILTER
BLOWER
FINE FILTER
S.A. PLENUM



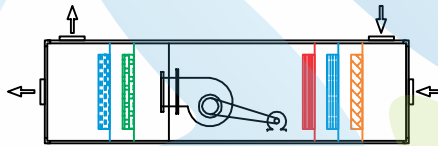
PRE FILTER
COOLING COIL
BLOWER



R.A. FAN
EXHAUST CHAMBER
MIXING CHAMBER
COOLING COIL
S.A. FAN

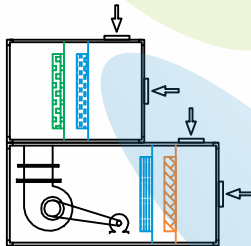


MIXING CHAMBER
PRE FILTER
COOLING COIL
BLOWER FINE FILTER
S.A. PLENUM

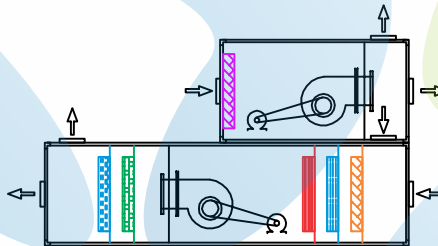


MIXING CHAMBER
PRE FILTER
HEATING COIL
BLOWER
FINE FILTER
HEPA FILTER
S.A. PLENUM

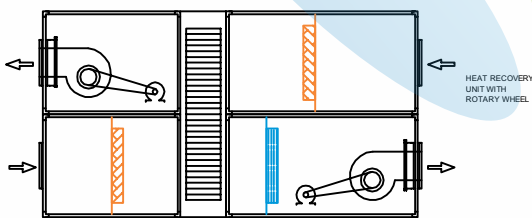
DOUBLE DECKER (TWO UNIT)



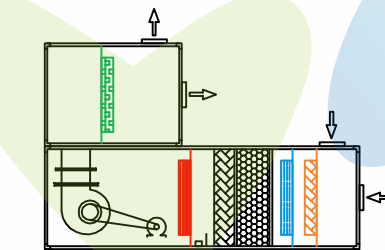
MIXING CHAMBER
PRE FILTER
COOLING COIL
BLOWER FINE FILTER
HEPA FILTER
S.A. PLENUM



PRE FILTER
BLOWER
E.A. PLENUM

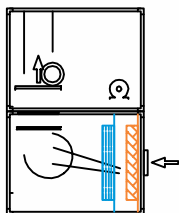


HEAT RECOVERY
UNIT WITH
ROTARY WHEEL

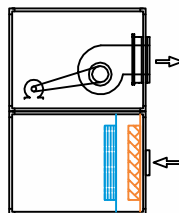


MIXING CHAMBER
PRE FILTER
COOLING COIL
HUMIDIFYING SECTION
HEATING COIL
BLOWER
FINE FILTER
HEPA FILTER
S.A. PLENUM

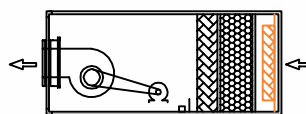
VERTICAL UNIT



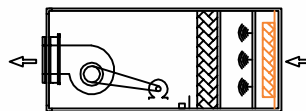
PRE FILTER
COOLING COIL
BLOWER



AIR WASHER SYSTEM



FILTER
MAKE UP WATER TANK
COOLING PAD
MIST ELIMINATOR
WATER PUMP
BLOWER



FILTER
MAKE UP WATER TANK
SPRAY CHAMBER
MIST ELIMINATOR
WATER PUMP
BLOWER



Air Handling Unit



Cooling Coil



Filter



Redefining Standards

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Tel : 084555-224262 /4, E-mail : sales@vertexair.com



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