WIZARD

Air Handling Units

- Easy configuration
- Attention to detail
- Plug & Play solutions
- Customer -made

CLIMAVENETA

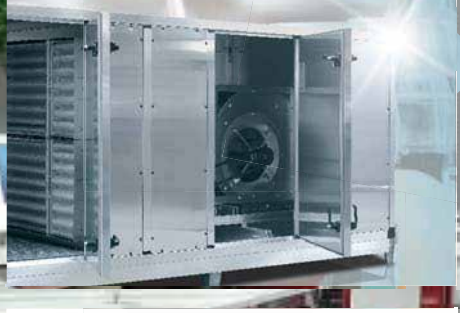
SUSTAINABLE COMFORT

Our biggest challenge is delivering the best solution for your building.

Both traditional and specific applications have particular comfort and technical features.
Climavenetas greatest experience in air treatment solutions has led us to offer a precise response to each specific challenging requirement.

More challenging requirements

Product quality



Versatile and easier installation

Focus on Comfort

Traditional applications

High levels of comfort, together with efficient performance and energy efficiency are key features in Air handling units for traditional applications.

The main aim is to maintain a constant temperature and humidity levels, ensuring a reduction of operating costs.

The main objective is to ensure high levels of comfort over time.

Continuous upgrade of units' performance and the use of quality components can contribute in extending the life cycle of the plant.

Versatility and plug-and-play solutions are fundamental features in traditional applications.

The reduction of on-site operations contributes in making the assembly process easier , thus increasing cost savings.

It is widely recognized that high comfort levels are directly connected to low noise emissions.

It surely improves both comfort and quality levels increasing the value of the building and the investment.

Specific applications

Some applications are critical and the kind of plant must be evaluated from time to time, considering the requirements of the building.

Custom-made solutions and the use of further components are fundamental requirements of specific sectors.

The quality of the system is of utmost importance in this kind of application and it strongly depends on the attention to detail and the installation of high quality components.

Specific sectors, such as hospitals and chemical applications, require reliable units complying with the strictest regulations.

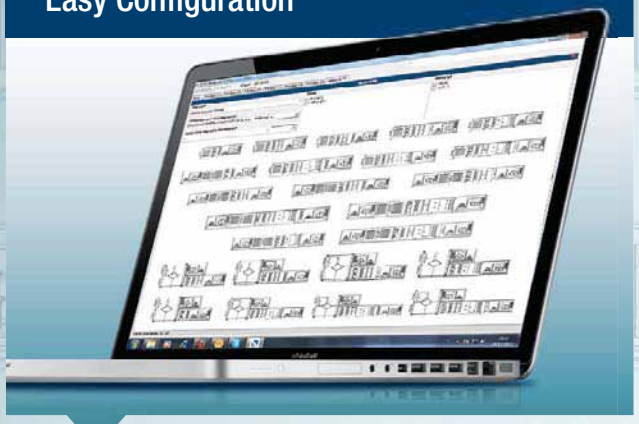
Solutions for specific sectors must be able to integrate a number of special components. The big challenge is designing complex units that can guarantee quick and easy installation.

In some specific applications, the noise emissions index is one of the most important performances.
In hospitals, theatres and cinemas, this index is as important as the performance indicator. Hence, it is particularly important to choose a low noise unit.

The solutions

Each application, from traditional to specific sectors, is characterised by high comfort levels and strict plant requirements.

Easy Configuration



WIZARD is the ultimate solution in air handling technology. A single and compact unit responding to the different requirements. The correct configuration is ensured by 'Climaveneta AHU-Optimizer, a selection software that computes and presents all the necessary data for correct air handling unit selection.

The high range of materials, components and accessories selectable, together with the total freedom of composition, make the software unique and intuitive while satisfying

Attention to detail

Each unit is designed in such a way so as to fit in each application.
Exceptional quality is built into every component , ensuring not only high efficiency but also exceptional versatility and reliability.

This contributes to extending the life cycle of the unit whilst reducing the maintenance costs.
As far as specific sectors is concerned, the distinctive feature is the installation of the highest-quality components that can match special requirements.

Plug & Play solutions

The units have been designed in such a way that if there is not enough room for the sections to reach the installation area they can be built and assembled on-site either from modular sections or in CKD configuration. This is possible thanks to special connections that are used to join adjacent functional sections or unit blocks.

It's a completely versatile unit that is also characterised by a simplification of the system and a 'Plug & Play' concept to ensure easy installation and commissioning. When the unit is delivered on site, it can be installed easily, reducing maintenance and further installation costs.

Customer-made

No matter how different the application is, the unit can be special designed for each project by different series of component. Especially for industrial and hospital project, the cleanness need to be fully considered to ensure end-user's request. And for commercial and residential project, the operation cost and energy saving is the primary target.

At the same time, Wizard units are fitted with dedicated components with world leading quality and insist on cooperating with worldwide well-know manufacturers to achieve the reliable and durable performance.

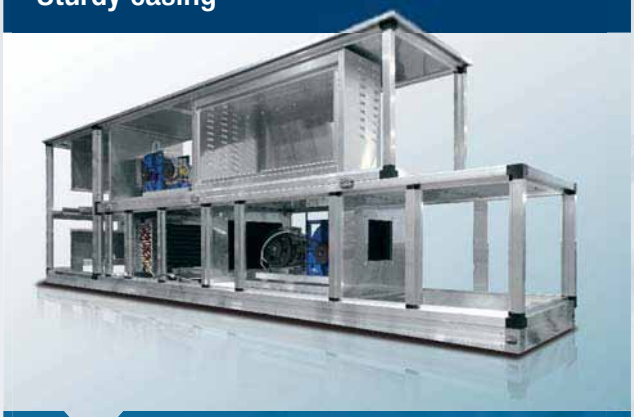
Technological choices

Smart control

WIZARD is equipped with the best thermal components available on the market: temperature and humidity probes and high precision differential pressure switches.
The core system that manages all the components is the AHU3000 controller. This controller ensures the programming of different time bands, increasing the efficiency of the system and reducing the energy consumption when the system does not work at full load.

Key features of the control are:
- Remotable control (up to 500 m) thanks to a dedicated panel
- Regulation of the part-load operation according to the set-point and the ambient load
- Monitoring through the web server and BMS compatibility (Modbus, Rs485, Bacnet over-IP).

Sturdy casing



Climaveneta has developed a casing design with different kinds of profiles and panels that can be chosen depending on the purpose of the application.
The high quality level of the structure allows for units operating at pressures higher than 1000 Pa with minimized air leakages and high mechanical strength.

The panels are manufactured in a such a way so as provide effective thermal and acoustic insulation.
Installation is made easier through the design of modules with connectors that allow for easy cleaning of the unit.

Selection Software

The design of the AHU is completely configurable thanks to the Climaveneta selection software. This smart tool ensures quick and precise calculations of the units selection.

The selection software computes and presents all the necessary data for correct air handling unit selection.
All extra accessories can be precisely selected depending on the kind of application, either traditional or specific.
Data and calculations are easy and quick thanks to an user-friendly interface.

Efficiency, low noise level, reliable operation. Attention to detail and easy configuration.

These are the distinctive features of **WIZARD.**

Fans

A wide array of fan options provides optimal sound and efficiency choices depending on the kind of application.

The intrinsic efficiency of the fans contributes in improving the overall efficiency of the units, ensuring very low noise emissions.

Fans with variable speed reduce the noise level according to the partial load of the coils and the temperature of the treated air.

High level configuration

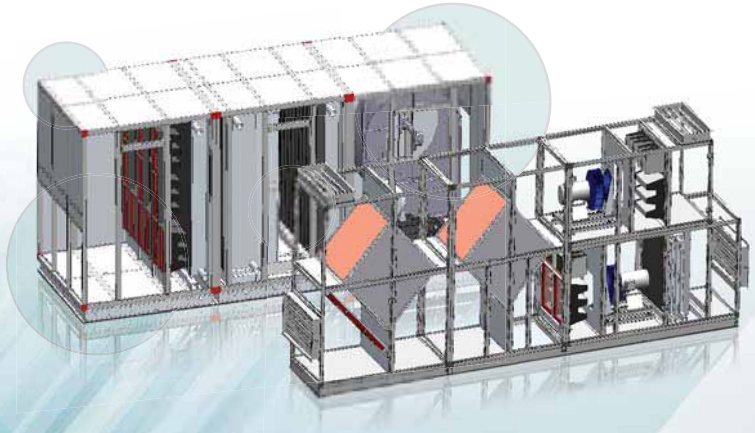
High level configuration can ensure the reliable and durable operation. So CLIMAVENETA insist on producing high quality products or cooperate with world famous manufacturers to offer the best configuration to customer for best performance.

From coil to attenuator, the product quality is strictly controlled by dedicated equipment or inspection on supplier and incoming materials.

Besides, strict AHU selection process is also required to make sure better performance, such as the coil face velocity, fan efficiency, water pressure drop and other key parameters.

Main Functions

- It generates files to be exchanged among the users and the company
- It creates Word/Pdfs with specifications of each single unit
- Always up-to-date data through the Internet connection
- Different languages can be selected



Temperature Control Tools

Temperature and humidity tools installed by Climaveneta are among the best components on the market. The unit is completely plug-and-play and all the components are directly installed within the company. The result is simple: better performance and a reduction in the installation times and operating costs.

Excellence on the global market

Framework and Panel

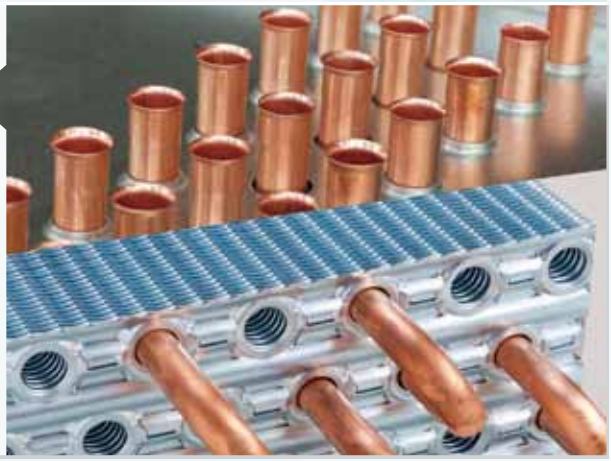
The framework consists of the internal frame, external frame and the PVC insulator. All frames are made of high gauge aluminum alloy with anodize treatment. The PVC insulator is extruded to the internal and external frame avoiding thermal bridge.

The insulation material -PU foam of 50mm thickness is injected between the double-wall panels. All bolts are external-connected type, resulting in easy dismounting and maintenance. The internal corner between panels is special designed of circular surface for easy cleaning.

Coil and Fin

The Coil is made of seamless copper tubes and hydrophilic aluminum fins, produced by OAK assembly line. All tubes are mechanically expanded to aluminum fins tightly to minimize
thermal resistance. The stainless steel and the copper tube collector are optional for high quality. Fins are sin-wave type and

Standard coil configuration has 2/4/6/8/10-row as options. For
customer's specification. The configuration of coils is optimized to meet actual conditions.



Fan and Motor

The adoption of well-known brand of DIDW, centrifugal fan and bearing ensures the static and dynamic balance level of G4.0 which greatly improves the life duration of bearing.

The fan section is mounted onto the vibration resistance frame with spring isolators or robber pads, connected to the casing with high fire resistance flexible connectors.

Standard V-shape belt driven with taper-lock, high driven efficiency. Well-know brand of motor with IP54/IP55 protection and class F insulation. Available at front-curved, back-curved, airfoil or plug fan depending on different request.

Wizard range: one solution for any kind of application

WIZARD air handling units are specially designed to cater all installation need. The range consists of 27 standard sizes, with variable air flow ranges varying from 2,000 to 200,000 m^3/h.
A comprehensive range of products together with a wide array of components represent the best guarantee for both traditional and special applications.

Quick Selection

Model	Air Flow (m^3/h)	Modulus	Dimension		Air Flow(m^3/h)				
					Face Velocity(m/s)				
			Height H(mm)	Width W(mm)	2.00	2.25	2.50	2.75	3.00
MAC2	2000	0710	620	860	1509	1697	1886	2075	2263
MAC2.5	2500	0712	620	1020	1948	2191	2435	2678	2922
MAC3	3000	0812	700	1020	2272	2556	2840	3124	3408
MAC3.5	3500	0813	700	1100	2528	2844	3160	3476	3792
MAC4	4000	0913	780	1100	2890	3251	3612	3973	4334
MAC5	5000	1013	860	1100	3612	4063	4515	4966	5418
MAC6	6000	1015	860	1260	4343	4886	5429	5972	6515
MAC7	7000	1017	860	1420	4983	5606	6229	6852	7475
MAC8	8000	1217	1020	1420	5925	6666	7407	8147	8888
MAC10	10000	1417	1180	1420	7407	8332	9258	10184	11110
MAC12.5	12500	1420	1180	1660	9053	10184	11316	12447	13579
MAC15	15000	1622	1340	1820	11503	12941	14379	15817	17255
MAC18	18000	1822	1500	1820	13533	15225	16916	18608	20300
MAC20	20000	1824	1500	1980	14996	16871	18745	20620	22494
MAC23	23000	2024	1660	1980	16496	18558	20620	22682	24744
MAC25	25000	2026	1660	2140	18105	20368	22631	24895	27158
MAC28	28000	2226	1820	2140	20574	23146	25718	28289	30861
MAC30	30000	2228	1820	2300	22403	25203	28004	30804	33604
MAC35	35000	2430	1980	2460	26170	29441	32713	35984	39255
MAC40	40000	2632	2140	2620	30230	34009	37788	41566	45345
MAC45	45000	2636	2140	2940	34473	38782	43091	47400	51709
MAC50	50000	2836	2300	2940	38039	42794	47549	52304	57059
MAC55	55000	2838	2300	3100	40380	45427	50475	55522	60570
MAC60	60000	3038	2460	3100	42904	48267	53630	58993	64355
MAC70	70000	3340	2700	3260	50731	57072	63414	69755	76096
MAC80	80000	3640	2940	3260	56071	63080	70089	77098	84107
MAC90	90000	3649	2940	3980	66440	74745	83050	91355	99660
MAC100	100000	3852	3100	4220	74432	83736	93040	102344	111648
MAC120	120000	4355	3500	4460	88926	100041	111157	122273	133388
MAC140	140000	4758	3820	4700	103853	116834	129816	142798	155779
MAC160	160000	4766	3820	5340	120198	135222	150247	165272	180296
MAC180	180000	5166	4140	5340	131125	147515	163906	180297	196687
MAC200	200000	5570	4460	5660	150967	169838	188709	207580	226451

Memo:

The height in this table have not included the height of base(100mm);
Height H= height modulus x 80 + 60 + 100 (base height)mm;
Width W= width modulus x 80 + 60mm

Performance Data (Cooling, Return Air)

Model	Air Flow (m^3/h)	4-row			6-row			8-row		
		Total Cooling Capacity	Water Flow	Water Pressure Drop	Total Cooling Capacity	Water Flow	Water Pressure Drop	Total Cooling Capacity	Water Flow	Water Pressure Drop
		kW	l/s	kPa	kW	l/s	kPa	kW	l/s	kPa
MAC2	2000	9.1	0.44	3.1	12.8	0.61	8.1	15.2	0.73	14.5
MAC2.5	2500	12.5	0.60	6.4	16.9	0.81	16.0	19.8	0.95	27.7
MAC3	3000	14.8	0.71	6.8	20.1	0.96	16.9	23.7	1.13	28.6
MAC3.5	3500	17.4	0.83	9.8	23.6	1.13	24.1	27.7	1.32	40.8
MAC4	4000	19.9	0.95	10.0	27.0	1.29	23.6	31.8	1.52	41.2
MAC5	5000	24.9	1.19	10.5	33.8	1.61	24.1	39.7	1.90	41.9
MAC6	6000	30.8	1.47	17.1	41.3	1.97	38.8	48.2	2.30	66.8
MAC7	7000	37.1	1.77	24.0	49.2	2.35	58.0	53.1	2.54	14.0
MAC8	8000	43.1	2.06	26.0	56.9	2.72	56.7	61.3	2.93	15.4
MAC10	10000	54.9	2.62	22.1	71.9	3.43	40.9	77.8	3.72	13.4
MAC12.5	12500	69.3	3.31	45.2	83.0	3.97	17.3	98.2	4.69	26.7
MAC15	15000	86.4	4.13	59.7	103.3	4.94	23.2	121.1	5.78	35.6
MAC18	18000	103.0	4.92	56.0	123.3	5.89	21.2	144.7	6.91	32.7
MAC20	20000	115.9	5.54	74.9	139.1	6.65	25.9	162.5	7.76	43.4
MAC23	23000	131.1	6.27	79.5	157.9	7.54	28.2	185.0	8.84	47.2
MAC25	25000	129.8	6.20	15.5	174.5	8.34	36.0	203.4	9.72	59.9
MAC28	28000	146.2	6.98	16.1	196.2	9.37	36.8	228.7	10.93	60.8
MAC30	30000	160.3	7.66	20.0	213.6	10.21	45.5	247.5	11.83	74.7
MAC35	35000	189.7	9.06	21.3	251.4	12.01	49.9	290.5	13.88	83.3
MAC40	40000	228.1	10.90	25.9	290.6	13.88	60.2	310.7	14.84	17.2
MAC45	45000	254.4	12.15	37.1	332.5	15.89	85.0	357.1	17.06	24.1
MAC50	50000	282.0	13.47	37.4	349.0	16.67	29.2	396.1	18.92	24.3
MAC55	55000	308.9	14.76	46.1	383.1	18.30	36.1	435.2	20.79	30.0
MAC60	60000	334.0	15.96	48.7	414.7	19.81	39.0	472.0	22.55	33.2
MAC70	70000	394.6	18.85	57.6	489.2	23.37	46.7	556.1	26.57	40.3
MAC80	80000	444.5	21.24	61.5	553.6	26.45	51.1	630.4	30.12	45.1
MAC90	90000	517.6	24.73	86.4	623.2	29.78	30.2	728.4	34.80	50.7
MAC100	100000	522.40	24.96	15.8	701.0	33.49	35.6	816.4	39.01	60.8
MAC120	120000	638.0	30.48	20.0	851.2	40.67	42.0	988.0	47.20	70.0
MAC140	140000	747.6	35.72	21.3	995.4	47.56	49.6	1153.8	55.13	82.7
MAC160	160000	886.8	42.37	31.5	1099.2	52.52	25.8	1249.2	59.68	22.5
MAC180	180000	986.5	47.13	33.1	1225.3	58.54	27.6	1395.1	66.66	24.4
MAC200	200000	1116.70	53.35	38.9	1387.8	66.31	32.6	1576.3	75.31	29.1

Performance Data (Cooling, Fresh Air)

Model	Air Flow (m^3/h)	4-row			6-row			8-row		
		Total Cooling Capacity	Water Flow	Water Pressure Drop	Total Cooling Capacity	Water Flow	Water Pressure Drop	Total Cooling Capacity	Water Flow	Water Pressure Drop
		kW	l/s	kPa	kW	l/s	kPa	kW	l/s	kPa
MAC2	2000	23.0	1.10	17.0	29.9	1.43	38.8	34.0	1.63	63.3
MAC2.5	2500	30.5	1.46	33.0	38.7	1.85	72,4	41.3	1.97	18.9
MAC3	3000	36.2	1.73	34.8	46.1	2.20	76.7	49.3	2.36	18.3
MAC3.5	3500	42.2	2.01	49.2	49.7	2.38	18.5	57.6	2.75	25.9
MAC4	4000	48.2	2.30	50.5	56.9	2.72	16.5	65.9	3.15	26.7
MAC5	5000	60.3	2.88	53.3	71.1	3.40	18.1	82.4	3.94	27.5
MAC6	6000	65.2	3.12	13.0	87.0	4.15	28.6	100.1	4.78	40.1
MAC7	7000	78.9	3.77	16.6	103.6	4.95	37.3	118.4	5.66	60.2
MAC8	8000	91.5	4.37	17.5	119.7	5.72	40.2	136.1	6.50	58.9
MAC10	10000	114.1	5.45	19.2	149.7	7.15	42.4	170.6	8.15	63.5
MAC12.5	12500	147.2	7.03	42.1	190.1	9.08	62.0	202.2	9.66	19.6
MAC15	15000	181.9	8.69	32.6	233.4	11.15	80.2	264.9	12.65	21.3
MAC18	18000	218.8	10.46	41.2	266.7	12.74	34.9	297.5	14.22	31.1
MAC20	20000	246.5	11.78	54.4	299.8	14.32	45.5	333.9	15.96	40.3
MAC23	23000	278.9	13.33	59.8	340.6	16.27	51.7	380.5	18.18	47.0
MAC25	25000	307.9	14.71	75.7	375.1	17.92	64.7	418.2	19.98	58.3
MAC28	28000	346.8	16.57	79.2	421.7	20.15	72.4	468.4	22.38	65.8
MAC30	30000	377.5	18.04	85.4	457.8	21.87	84.7	505.9	24.17	72.5
MAC35	35000	444.2	21.23	89.5	537.8	25.70	76.4	597.2	28.54	62.8
MAC40	40000	513.5	24.53	92.5	620.6	29.65	84.5	687.6	32.85	74.4
MAC45	45000	543.65*	18.55	79.1	663.5*	22.64	60.8	763.0*	30.38	69.3
MAC50	50000	602.6*	20.57	79.7	735.8*	25.11	61.3	846.6*	33.71	69.9
MAC55	55000	645.5*	20.56	83.3	792.4*	25.24	64.1	904.1*	36.00	61.7
MAC60	60000	697.4*	22.21	81.3	857.8*	27.32	73.8	980.7.0*	33.47	68.5
MAC70	70000	806.8*	24.09	87.4	993.2*	29.66	71.6	1120.5*	33.46	61.3
MAC80	80000	910.3*	27.18	89.6	1124.0*	33.56	78.4	1270.6*	37.94	68.8
MAC90	90000	1101.2	52.60	63.6	1342.6	64.15	54.0	1497.6	71.55	48.4
MAC100	100000	1238.4	59.15	77.0	1506.4	71.97	65.6	1677.8	80.16	58.9
MAC120	120000	1504.0	71.86	87.1	1825.0	72.66	71.8	2030.0	96.99	62.6
MAC140	140000	1681.8*	66.96	66.7	2132.4	101.88	80.9	2371.2	113.29	68.8
MAC160	160000	1898.1*	64.78	67.8	2407.5*	95.86	77.8	2683.6	106.85	66.4
MAC180	180000	2111.0*	72.04	71.4	2686.5*	106.96	83.4	3000.3*	119.46	72.1
MAC200	200000	2396.0*	81.77	83.6	2928.0*	99.92	69.4	3374.0*	134.34	85.8

Memo:1. Return air condition: air inlet 27˚C DB/19.5˚C WB, water inlet/outlet temp.7˚C /12˚C ; Fresh air condition: air inlet 35˚C DB/28˚C WB, water inlet/outlet temp.7˚C /12˚C ;
2. Copper tube and aluminum fin; fin interval 10FPI,8~14FPI as optional;

Length for Each Section

M: modulus

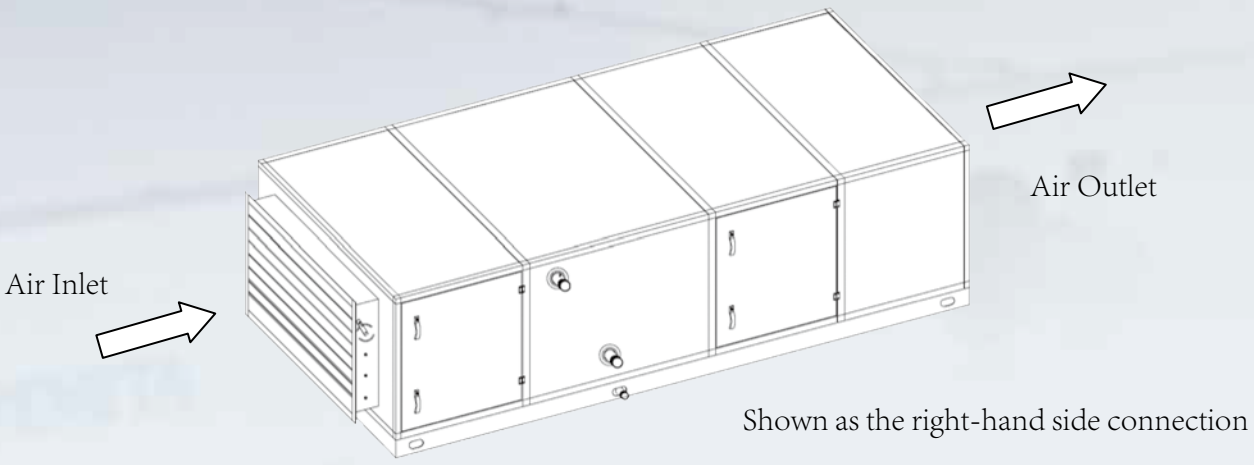
Model	Section Modulus	Mixing Box	Plate Filter	Bag (Plate+Bag) Filter	Cooling Coil	Heating Coil	Steam Coil	Electric Heater	Air Outlet	Combined Mixing Box	Diffuser	Access	Dry steam Humidifier	High-pressure Humidifier	Attenuater
MAC2	0710	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC2.5	0712	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC3	0812	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC3.5	0813	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC4	0913	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC5	1013	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC6	1015	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC7	1017	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC8	1217	6M	0M	4M/7M	6M/7M/8M	4M	4M	4M	6M	12M	7M	6M/8M	8M	8M	8M/12M/16M
MAC10	1417	7M	0M	4M/7M	6M/7M/8M	4M	4M	4M	7M	12M	8M	6M/8M	8M	8M	8M/12M/16M
MAC12.5	1420	7M	0M	4M/7M	6M/7M/8M	4M	4M	4M	7M	12M	8M	6M/8M	8M	8M	8M/12M/16M
MAC15	1622	8M	0M	4M/7M	6M/7M/8M	4M	4M	4M	8M	16M	8M	6M/8M	8M	8M	8M/12M/16M
MAC18	1822	8M	0M	4M/7M	6M/7M/8M	4M	4M	4M	8M	16M	8M	6M/8M	8M	8M	8M/12M/16M
MAC20	1824	8M	0M	4M/7M	6M/7M/8M	4M	4M	4M	8M	16M	8M	6M/8M	8M	8M	8M/12M/16M
MAC23	2024	8M	0M	4M/7M	6M/7M/8M	4M	4M	4M	8M	16M	8M	6M/8M	8M	8M	8M/12M/16M
MAC25	2026	8M	0M	4M/7M	6M/7M/8M	4M	4M	4M	8M	16M	8M	6M/8M	8M	8M	8M/12M/16M
MAC28	2226	10M	0M	4M/7M	6M/7M/8M	4M	4M	4M	10M	16M	10M	6M/8M	8M	8M	8M/12M/16M
MAC30	2228	10M	0M	4M/7M	6M/7M/8M	4M	4M	4M	10M	16M	10M	6M/8M	8M	8M	8M/12M/16M
MAC35	2430	10M	0M	4M/7M	7M/8M/9M	4M	4M	4M	10M	16M	10M	6M/8M	8M	8M	8M/12M/16M
MAC40	2632	10M	0M	4M/7M	7M/8M/9M	4M	4M	4M	10M	16M	10M	6M/8M	8M	8M	8M/12M/16M
MAC45	2636	10M	0M	4M/7M	7M/8M/9M	4M	4M	4M	10M	16M	10M	6M/8M	8M	8M	8M/12M/16M
MAC50	2836	11M	0M	4M/7M	7M/8M/9M	4M	4M	4M	11M	18M	11M	6M/8M	8M	8M	8M/12M/16M
MAC55	2838	12M	0M	4M/7M	7M/8M/9M	4M	4M	4M	12M	20M	12M	6M/8M	8M	8M	8M/12M/16M
MAC60	3038	12M	0M	4M/7M	7M/8M/9M	4M	4M	4M	12M	20M	12M	6M/8M	8M	8M	8M/12M/16M
MAC70	3340	13M	0M	4M/7M	7M/8M/9M	4M	4M	4M	13M	20M	13M	6M/8M	8M	8M	8M/12M/16M
MAC80	3640	14M	0M	4M/7M	7M/8M/9M	4M	4M	4M	14M	24M	14M	6M/8M	8M	8M	8M/12M/16M
MAC90	3649	14M	0M	4M/7M	7M/8M/9M	4M	4M	4M	14M	24M	14M	6M/8M	8M	8M	8M/12M/16M
MAC100	3852	14M	0M	4M/7M	7M/8M/9M	4M	4M	4M	14M	24M	14M	6M/8M	8M	8M	8M/12M/16M
MAC120	4355	16M	0M	4M/7M	8M/9M/10M	4M	4M	4M	16M	26M	14M	6M/8M	8M	8M	8M/12M/16M
MAC140	4758	17M	0M	4M/7M	8M/9M/10M	4M	4M	4M	17M	28M	15M	6M/8M	8M	8M	8M/12M/16M
MAC160	4766	17M	0M	4M/7M	8M/9M/10M	4M	4M	4M	24M	28M	15M	6M/8M	8M	8M	8M/12M/16M
MAC180	5166	19M	0M	4M/7M	8M/9M/10M	4M	4M	4M	24M	30M	17M	6M/8M	8M	8M	8M/12M/16M
MAC200	5570	20M	0M	4M/7M	8M/9M/10M	4M	4M	4M	24M	32M	18M	6M/8M	8M	8M	8M/12M/16M

Nomenclature

MAC	5	W	1013
1	2	3	4

1 –MAC: air handling unit
2 – Air flow(*1000 m3/h)
3 – “WIZARD” series
4 – Unit modulus(height & width)

e.g.: MAC35W2430
means “WIZARD” series horizontal air handling unit of 35,000m³/h nominal airflow rate and the unit modulus is 2430.



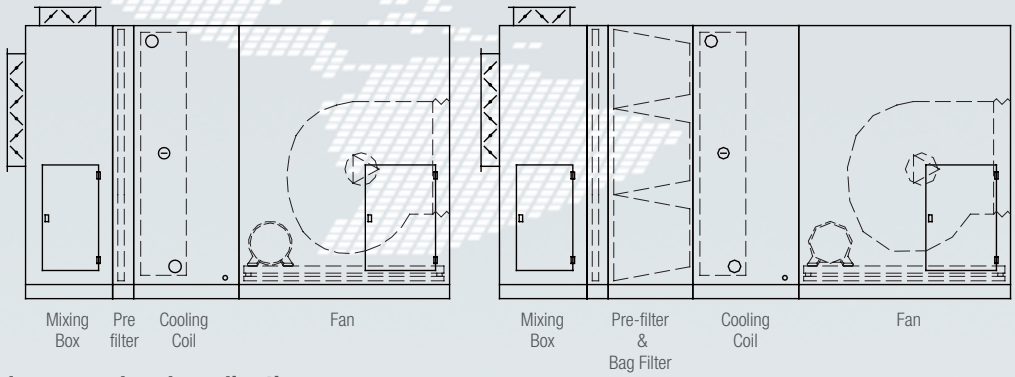
Shown as the right-hand side connection

Connection type
The right-hand water connection is the cooling water coming from the right side while standing in front of the air-inlet side.
The left-hand water connection is water from the left side while standing in front of air-inlet side.

Wizard Configuration

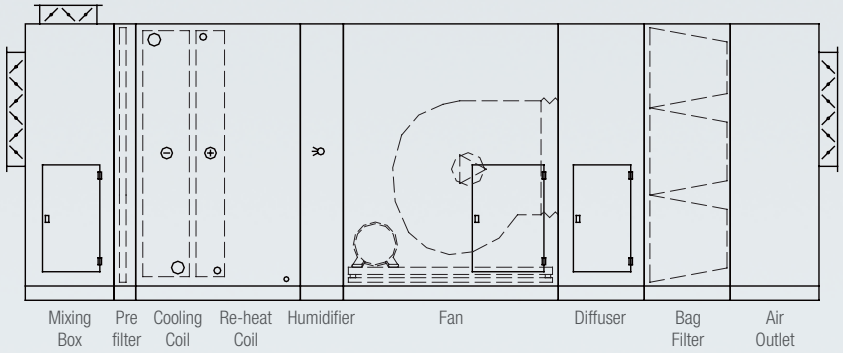
For commercial and residential application

The unit is equipped with pre-filter only or combine with bag filter together. Cooling coil's capacity is selected based on actual cooling load to deal with return air or fresh air. For this configuration, it can fulfill normal application which only control the air temperature.



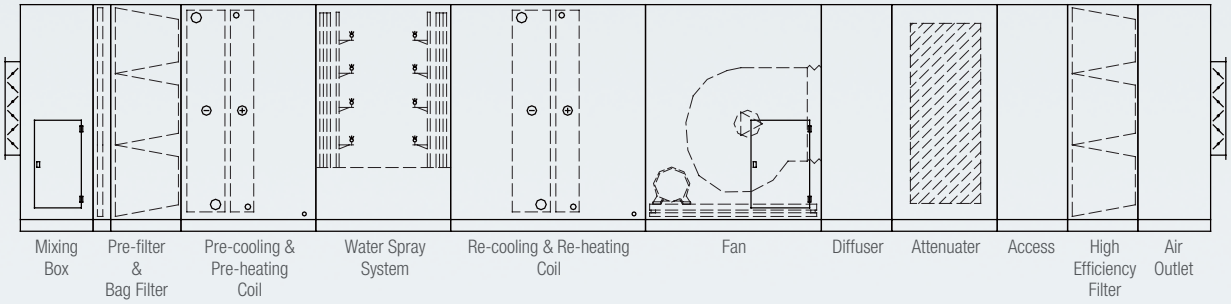
For normal cleanness level application

The pre-filter combined with bag filter, cooling coil, re-heat coil and humidifier are fixed in the Wizard AHU, dedicated for those application which need temperature and humidity control or cleanness control.



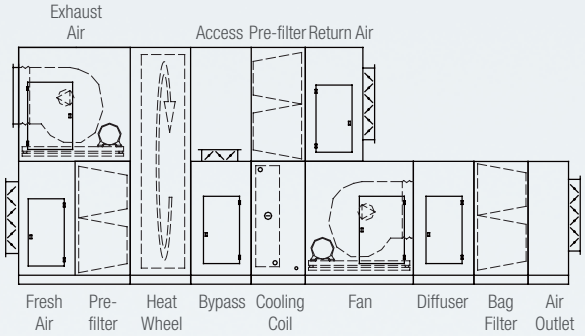
For high level cleanness control application

Installed with pre-filter, bag filter and high efficient filter, water spray system, multi coils as well as the attenuater;
The water spray system can eliminate the chemical impurity(such as sulfur, nitride) and static electricity for electronic product in the fresh air, and it will decrease the cooling and humidification load in the subsequent air handling process for chiller ;
This configuration is special for high-level cleanness control or fresh air need to be totally treated application.



Energy saving application (with heat recovery kits)

The heat wheel or plate-type heat recovery equipment can recovery the energy between fresh air and exhaust air to take use of the energy from the exhaust air for saving;



more than 1000 projects all over the world

BIG C SUPERMARKET
2011 Can Tho
(Viet Nam)

Cooling capacity:
1800 kW

Installed units:
2x FOCS, 16x WIZARD

International Hi-Tech Healthcare Park
2011, HCMC (Vietnam)

Cooling capacity:
8761kW;

Installed units:
4x CSRH, 37x Wizard, 170x FCU

YKK Manufacture Factory
2012, Vietnam

Cooling capacity:
728 kW;

Installed units:
3x AQS, 1x CSRAT-Y, 4x Wizard

VIRGIN
2012 Neaples
(Italy)

Air flow:
64.000 m^3/h

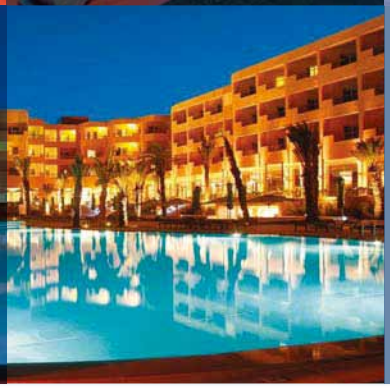
Installed units:
10 WIZARD

CAMERA DI COMMERCIO
MILANO
2013 Milan (Italy)

Application:
Office buildings

Installed units:
13 WIZARD units

ROSA BEACH HOTEL
2011 Monastir (Tunisia)
Application: Hotels and Resorts
Cooling capacity:
600 kW
Thermal capacity:
700 kW
Installed units:
1x FOCS/B 2702, 4x WIZARD, 300x
Fan Coil



Climaveneta Italy:
36061 BASSANO DEL GRAPPA (VICENZA)
ITALIA - VIA SARSON 57/c
TEL. +39 / 0424 509 500 (r.a.)
TELEFAX +39 / 0424 509 509
E-mail:info@climaveneta.com
http://www.climaveneta.com

Climaveneta China:
No,88 Baiyun Road Xinghuo Developing Zone ,Shanghai,China Post Code:201419
TEL: +86-21-57505566
FAX: +86-21-57505797
E-mail:info@climaveneta.com.cn
http://www.climaveneta.com.cn

Climaveneta Hongkong:
Room 2003,CCT Telecom Building, 11 Wo Shing Street,Fotan,Shatin,N.T.,Hongkong
TEL: +85-2-26871755
FAX: +85-2-26873078
E-mail:info@climaveneta.com.cn
http://www.climaveneta.asia

Climaveneta Vietnam:
3rd Floor-MEKONG Tower, 235-241 Cong Hoa Str.-Ward 13-Tan Binh Dist-HCMC
TEL: +84-8 6262 9966
FAX:+84-8 6262 9977
E-mail:info@climaveneta.com.cn
http://www.climaveneta.asia

CLIMAVENETA

B732 CCU/01-09-2014 EN-SH