

Model Smart Code

ADVU

45
Thermal Break Profile 45 mm

45
Max Air Flow: 4250 m³/h

NC : No Coil
CW : Water Coiling
DX : DX Cooling

NC : No Coil
HW : Water Heating
EH : Electric Heater

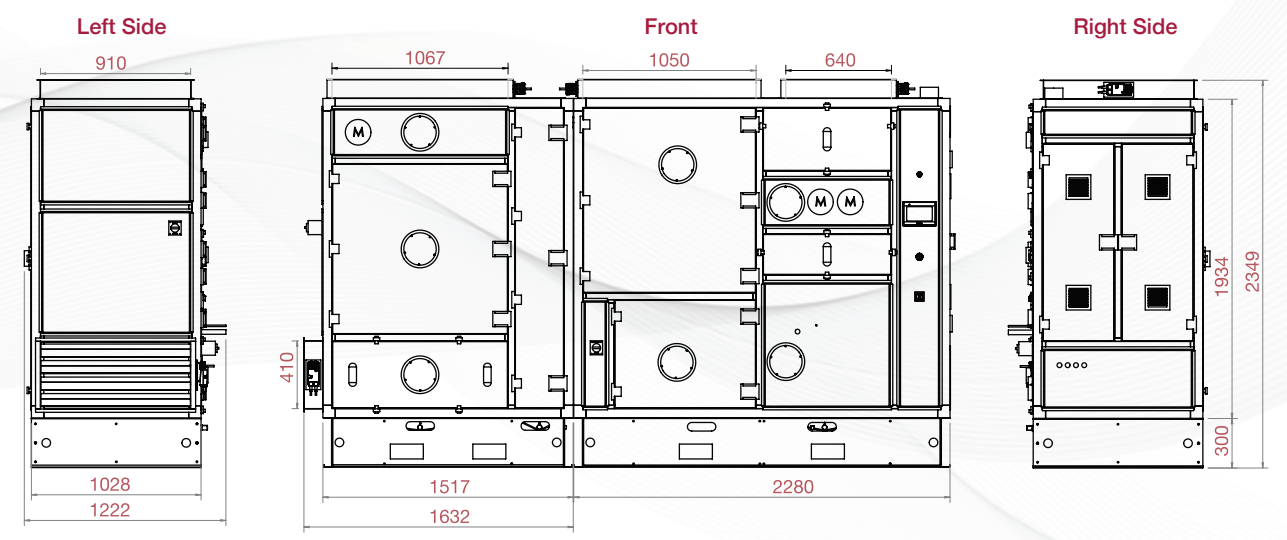
L : Left
R : Right

Optional Equipments
Roof
CO2 Sensor
Smoke Sensor
Valve+Actuator For Cooling and Heating Coil

Technical Data

MODEL	Max Air Flow (m³/h)	Max External Pressure (Pa)	HRU Efficiency (%)	Unit Max Power (Kw)	Electrical Heater (Kw)	Max Current (A)	Main Electrical Supply V Hz P	Lighting Electrical Supply V Hz P
ADVU 4545-NC-NC	4250	700	70	5,7	-	11,8	380 50 3	220 50 1
ADVU 4545-CW/DX-HW				5,7	-	11,8		
ADVU 4545-CW/DX-EH				20,7	15	41,6		

Unit Dimension



MODEL	Dimensions			Extract	Exhaust	Fresh Air	Supply	Weight
	LENGHT (mm)	WIDTH (mm)	HEIGHT (mm)	(mm)	(mm)	(mm)	(mm)	(kg)
ADVU 4545-NC-NC	3912	1028	2349	1067x910	910x410	1050x910	910x640	1310
ADVU 4545-CW/DX-HW								1400
ADVU 4545-CW/DX-EH								1375



Product Leaflet
ADVU 4545

Advu 4545 Leaflet

ATC General Catalog

ATC Product Videos

Description

ErP 2018 compliant ADVU 4545 is specifically designed for medical and healthcare applications.

Millenium Line Case type with T2 / TB2 / F9 / D1 / L1 according to EN 1886.

The entire unit is designed considering the specific conditions of HTM applications.

High efficient Run Around Coil and Electrically Commutated (EC) fans are used inside of the unit in order to provide the best solution for the unit to run efficiently in sensitive hygienic applications.

Because of the Hydronic Kit included in the device, Run Around Coils work without additional connection.

Fresh air and return line completely isolated from each other.

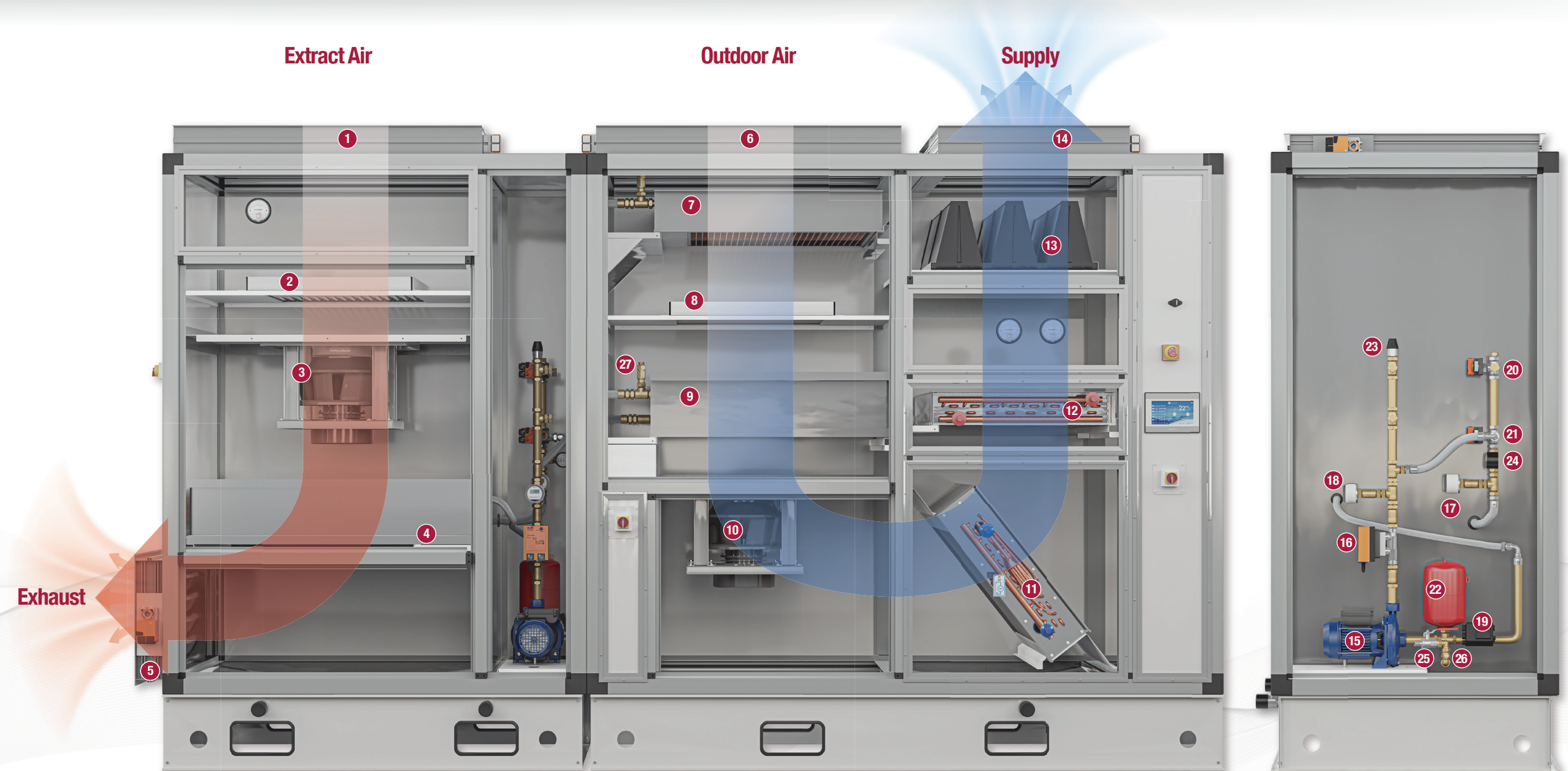
The unit is equipped with a user-friendly Plug & Play control panel.

Plug & Play Control Panel

**PLUG
&
PLAY**

- ▶ Built-in AHU Control
- ▶ Built-in Run Around Coil and Hydronic Kit Control
- ▶ Built-in VRF Unit Control
- ▶ BMS Communication (Bacnet IP, Modbus RTU, Modbus TCP/IP, Bacnet-MS/TP)
- ▶ Constant Flow Control
- ▶ Temperature and Humidity Control
- ▶ Fluid Control Valves 0-10 V Proportional Control
- ▶ Circulation Pump 0-10 V Proportional Control

Design Details



1. Extract Motorized Damper
2. M5 Panel Filter
3. Extract Ec Fan
4. RAC Extract Coil
5. Exhaust Motorized Damper
6. Fresh Air Motorized Damper
7. Preheater Coil
8. G4 Panel Filter
9. RAC Supply Coil

10. Supply Ec Fan
11. Cooling Coil
12. Heating Coil
13. F7 Compact Filter
14. Supply Motorized Damper
15. Circulation Pump
16. Flowmeter
17. RAC Extract Coil Inlet Temperature Sensor
18. RAC Supply Coil Inlet Temperature Sensor

19. Flow Switch
20. Pre Heater and RAC Supply Coil Proportional Control 3 Way Valve
21. RAC Proportional Control and Water Frost Protection Control 3 Way Valve
22. Expansion Tank
23. Safety Valve
24. Manometer
25. Manual Valve
26. Strainer
27. Automation Air Vent

Design Details