

EVO S COMPACT



COMPACT AIR HANDLING UNIT


AIR CAPACITY [m³/h]

500 ÷ 27000*

11 BASIC SIZES

Component Construction

Framework	Advanced composite profiles or high corrosion resistant galvanized steel profiles (insulation version 50), plastic corners.
Panels	Unique Thermal Brake panels made of galvanized metal sheet with high corrosion resistance coating 0,7mm thick. Panel thickness of 50mm (floor 70mm) filled with non-combustible mineral wool – A1 class fire protection. Fixed panels riveted to the framework and insulated with sealant. Access panels fixed by screw. Access doors fixed by handle-hinge or by handles (optional). Sealing access panels-construction by profile gasket.
Base Frame	Foundation foots made from galvanized metal sheet: 5100 ÷ 0300 sizes. Base frame made from galvanized metal sheet: 5100 ÷ 5610 sizes. Base frame height – 120mm or 200mm; foundation foots height – 120mm (the trap is included in the height).
Drain Pan	Made of stainless steel, triple sloped, insulated with rubber mat. Recessed in floor. Drainage pipe made of plastic pipe, led out to the side through the AHU's profile beyond the outline. Universal trap for under and overpressure in the place of operation. It is not required to elevate the frame for the pressure of 600 Pa.
Guide vanes	Made of high corrosion resistant galvanized steel or stainless steel.
Air Dampers	Standard aluminium construction. The mechanism hidden in the double profile, separated from external factors.
Connections	Standard flexible connectors with connectable duct profile.
Add. equipment	"Dumbo" terminals for pressure switch hoses connection, installed on the AHU's fixed casing. Lighting – low voltage led technology – option Porthole – option.

* The maximum air volume depends on the components used in AHU.

CHARACTERISTICS

EVO-S Compact units, function as closed, supply and exhaust devices with heat recovery system. The basic units come in three configurations: two are equipped with high-performance cross-heat exchanger with efficiency of up to 92% (two-way air flow "CPR-C" and one-way "CPR-P") and the third with a rotary exchanger with efficiency of up to 80% (two-way airflow "RR").

The unit equipment is complemented by air filters, supply/exhaust EC fans and water heater and could be equipped with automation and control system wired at the factory. Other function like cooling, electrical heating, secondary filtration and noise suppression, could be add in individual sections.

- 1** Air filters: panel, bag or minipleat
- 2** Counterflow plate heat exchanger with full by-pass /Rotary heat exchanger
- 3** Complete set of supply and exhaust EC fan
- 4** Water heater

CPR-C MODULE CROSS AIRFLOW



CPR-P MODULE PARALLEL AIRFLOW



RR MODULE



FUNCTIONS

	PF	PRIMARY FILTER		CPR	COUNTERFLOW PLATE HEAT EXCHANGER		EH	ELECTRIC HEATER
	SF	SECONDARY FILTER		WH	WATER HEATING COIL		SL	SILENCER
	VF	FAN SET		WC	WATER COOLING COIL		ES	EMPTY SECTION
	RR	ROTARY HEAT EXCHANGER		DX	DIRECT EXPANSION COOLING COIL			