

MZC Plenum with Motorized dampers for zone and air control.



- *MULTIZONE PLENUM FOR CONTROLLING THE FLOW RATE OF THE AIR
- *AVAILABLE FOR BOTH ON/OFF (PSC) AND INVERTER (ECM) FANS
- *IDEAL FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS

Characteristics:

*The MZC has been designed for residential and commercial applications. The unit combines environmental comfort with excellent energy savings. MZC adjusts the flow rate of the air along with the damper position to create a comfortable environment. MZC is designed to be combined with fan convectors that have asynchronous and brushless motors which are arranged for the distribution of the air renewal.

Distinctive features:

The structure.
 *Galvanized frame with insulation on the outer casing.
 *From 2 to 6 inlet zone controllers depending on the model. Each zone controller is provided with a motorized damper. The fan coil may require a MZCSM accessory, (Option not available-

on all models. See compatibility table accessories).
 *Flange for fresh air, supplied as standard, to connect the plenum MZC to a heat recovery ventilator.
 *Ability to install an additional Air Probe (MZCSA accessory) for the control of modulating valves or pressure Independent.
 *Possibility of installing the plenum in the intake (return air) of the fancoil through flanges MZCA (Attachment).
 *Electrical box reversible (RH, LH).

Adjustment:

*MCZ is accompanied by a thermostat MZCUI zone for the setting of the set temperature. The state of the damper (open/closed) is regulated by the achievement of the set temperature set in each room.

* Management of max 6 Motorized dampers.
 *Flow control for each damper (each output can be set to the maximum opening and minimum damper).
 * Ability to bind the control to more dampers at the request of the same thermostat zone (MZCUI OR WT10).
 * Enable the function "suction plenum"
 * MZC is able to check any valves installed on the fan convector associated therewith, is of the type On/Off, modulating or Pressure Independent, for fancoils 2 or 4 pipes.
 * Possibility to parameterize the controller through the serial line supervision.

Accessory Compatibility:

* MZCAC, electrical system required for connection of the MZC plenum with a fancoil including asynchronous motor.
 * MZCBC, electrical system required for connection of the MZC plenum with a fancoil including brushless motor.

* MZCSM, single module with motorized damper for all models except MZC220.
 * MZCUI, thermostat area in addition to the supplied number where the system so requires.
 * MZCA, adapter flange for the installation of the Plenum also in the intake of the fan convector.

* WT10, wireless thermostat.
 * WR10, receiver to two wireless channels for WT10.
 * MZCSA, air probe for the control of modulating valves or pressure Independent.
 * The VMF-VOC, accessory for the detection of air quality.

Compatibility of MZC plenum with fan convectors Aermec.

For the performance data refer to the product information sheets of each unit compatible with MZC. All cards are available on the site www.aermec.us/app

Model	# Dampers	FCXUSPO	FCXIUSP	FCZUSPO	FCZIUSP	VED	VEDI
MZC220	2	22-24	20-24	200-201-202-250	200-201-202-250	-	-
MZC320	2*	32-34-36	30-34-36	300-301-302-350	300-301-302-350	-	-
MZC530	3*	42-44-50-54-56	40-44-50-54-56	400-401-402-450-500-501-502-550	400-401-402-450-500-501-502-550	-	-
MZC830	3*	62-64-82-84	80-84	600-601-602-650-800-801-802-850	700-701-702-750-900-901-950	-	-
MZC5040	4*	-	-	-	-	430-432-440-441-530-530-540-541	530-532-540-541
MZC7050	5*	-	-	-	-	630-632-640-641-730-732-740-741	730-732-740-741

*If the plant should require it is possible to also add in a second time a single module of MZCSM delivery (accessory), see IMG.

