

PMZ

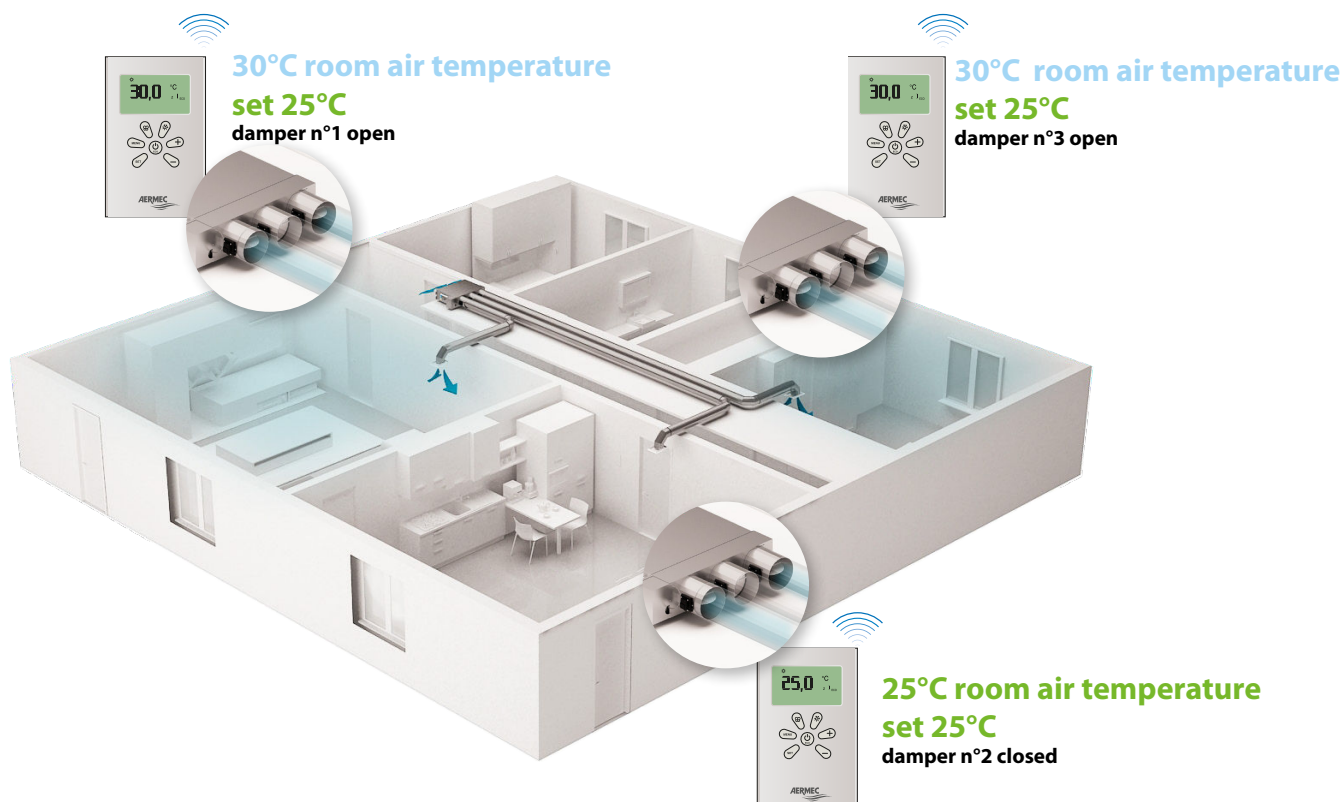
Plenum with motorized dampers
for ducted fan coils



- **MULTIZONE PLENUM TO CONTROL THE AIR FLOW**
- **TO BE COMBINED WITH FCX_I AND VED_I FAN COILS WITH INVERTER MOTOR**
- **PERFECT FOR RESIDENTIAL AND SERVICES SECTORS APPLICATIONS**
- **WIRELESS THERMOSTATS**

Characteristics

- The plenums with motorized dampers have been designed for residential and service sectors applications. It allows to combine an optimal environmental comfort with an assured energy saving. More and more in modern systems one needs to have a global climatization through ducted systems. The accessory **PMZ, thanks to the electronic control of dampers**, regulates the room comfort, adjusting the air flow to actual needs. **PMZ** has been designed to be combined with fan coils with inverter motor.
- The structure is made of galvanized sheet, internally insulated with self-extinguishing material. It is provided with a variable number from 2 to 6 circular attacks, equipped with motorized dampers in two positions (open/closed) depending on the combined model. The damper motor is controlled directly from the wireless room thermostat. With the plenum it is provided a room thermostat for each motorized damper.
- **Regulation: the regulation system adjusts the air flow provided by the fan coil** according to the number of open dampers. The state of the damper (open/closed) is regulated by reaching the temperature set in each room. The control system is also able to control the valves of on / off type, two or three-way valves for two or four pipe configuration.



Compatibility Plenum with fancoils

FANCOIL	PLENUM 2 DELIVERIES	PLENUM 3 DELIVERIES	PLENUM 4 DELIVERIES	PLENUM 5 DELIVERIES	PLENUM 6 DELIVERIES
FCXI20/24P	PMZ22	-	-	-	-
FCXI30/34P	PMZ32	PMZ33	-	-	-
FCXI40/44P	PMZ42	PMZ43	PMZ44	-	-
FCXI50/54P	-	PMZ43	PMZ44	-	-
FCXI80/84P	-	PMZ83	PMZ84	-	-
VED030/040I	PMZ22	-	-	-	-
VED130/140I	PMZ32	PMZ33	-	-	-
VED230/240I	PMZ42	PMZ43	PMZ44	-	-
VED330/340I	-	PMZ83	PMZ84	-	-
VED530/540I	-	-	PMZ504	PMZ505	-
VED730/740I	-	-	-	PMZ705	PMZ706

Technical data

Mod. FCXI_P		Vel.	20	24	30	34	40	44	50	54	80	84	
HEATING PERFORMANCE (2 PIPE CONFIGURATION)													
Heating capacity (50°C)	(1)	W	H	2100	2320	3160	3550	4240	5250	4900	6100	7990	10207
Water flow rate	(1)	l/h	H	258	298	380	482	585	765	721	855	1276	1479
HEATING PERFORMANCE (4 PIPE CONFIGURATION - with additional heat exchanger)													
Heating capacity (70°C)	(2)	W	H	1751	-	2826	-	3460	-	4223	-	6410	-
Water flow rate	(2)	l/h	H	154	-	248	-	303	-	370	-	562	-
COOLING PERFORMANCE													
Total cooling capacity	(3)	W	H	1500	1730	2210	2800	3400	4450	4190	4970	7420	8600
Water flow rate	(3)	l/h	H	258	298	380	482	585	765	721	855	1276	1479
Air flow rate		m³/h	H	290	290	450	450	600	600	720	720	1140	1140
Fans		type											
		n°		1	1	2	2	2	2	2	2	3	3
Max. high static pressure		Pa	H	50	50	56	56	53	53	46	46	30	30
Absorbed power		W		12	12	13	13	17	17	37	37	80	80
Absorbed power (plenum)		W						5					

Mod. VED_I		Vel.	030	040	130	140	230	240	330	340	530	532	540	541	730	732	740	741	
HEATING PERFORMANCE (2 PIPE CONFIGURATION)																			
Heating capacity (50°C)	(1)	W	H	2180	2340	3750	3940	4320	4750	6270	6550	10420	-	11820	-	17280	-	19150	-
Water flow rate	(1)	l/h	H	279	327	516	566	588	691	860	922	1335	-	1543	-	2382	-	2766	-
HEATING PERFORMANCE (4 PIPE CONFIGURATION)																			
				with BV030		with BV130		with BV230		with BV330									
Heating capacity (70°C)	(2)	W	H	2220	-	3780	-	4493	-	5888	-	-	13540	-	8850	-	22174	-	14500
Water flow rate	(2)	l/h	H	196	-	331	-	394	-	515	-	-	1188	-	776	-	1945	-	1272
COOLING PERFORMANCE																			
Total cooling capacity	(3)	W	H	1624	1900	2997	3290	3420	4020	5000	5360	7760	7760	8970	8970	13850	13850	16080	16080
Water flow rate	(3)	l/h	H	279	327	516	566	588	691	860	922	1335	1335	1543	1543	2382	2382	2766	2766
Air flow rate		m³/h	H	285	277	433	420	590	570	805	775	1520	1520	1500	1500	2410	2410	2350	2350
Fans		type																	
		n°		1	1	2	2	2	2	3	3	2	2	2	2	3	3	3	3
Max. high static pressure		Pa	H	61	61	60	60	64	63	66	64	58	56	56	69	69	69	69	
Absorbed power		W		36	36	45	45	53	53	86	86	205	185	205	185	370	363	370	363
Absorbed power (plenum)		W								5									

H max. speed;

2 pipes system configuration (EUROVENT)

(1) Room air temperature 20°C b.s.; Inlet water temperature 50°C; Water flow rate as in cooling mode

4 pipes system configuration (with additional heat exchanger) (EUROVENT)

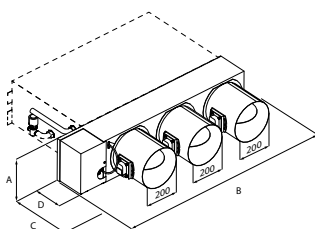
(2) Room air temperature 20°C b.s.; Inlet water temperature 70°C; ΔT water 10°C

Cooling performance (EUROVENT)

(3) Room air temperature 27°C b.s./19°C b.u.; Inlet water temperature 7°C; DT water 5°C

Note: For more information, please refer to the program selection and the technical documentation available on the website www.aermec.com

Dimensions (mm)



WARNING

The brackets supplied as standard are highly recommended to install fan coils – from 20 to 54 size – with their plenums

Acessories Plenum		PMZ22	PMZ32	PMZ33	PMZ42	PMZ43	PMZ44	PMZ83	PMZ84	PMZ504	PMZ505	PMZ705	PMZ706
Height	A	216	216	216	216	216	216	216	216	300	300	351	351
Width	B	644	875	875	1095	1095	1095	1224	1224	1231	1231	1631	1631
Depth	C	380	380	380	380	380	380	380	380	380	380	380	380
	D	180	180	180	180	180	180	180	180	180	180	180	180
Delivery	n°	2	2	3	2	3	4	3	4	4	5	5	6
	Ø	200	200	200	200	200	200	200	200	200	200	200	200
Weight	kg	9	9	11	10	13	14	13	14	22	24	32	35

Aermec reserves the right to make all modification deemed necessary for improving the product at any time with any modification of technical data.

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