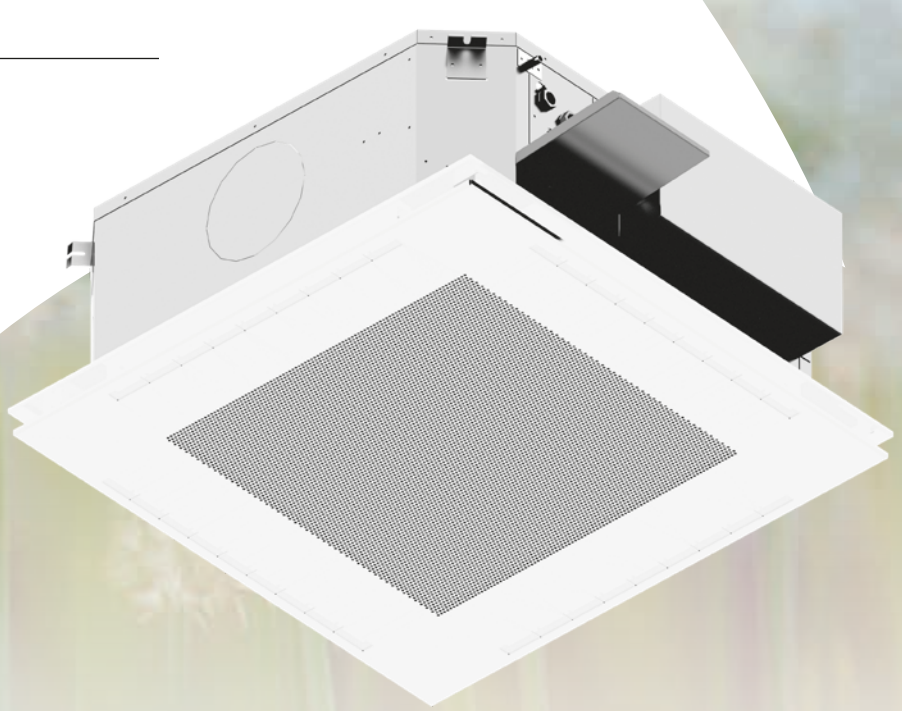
Aertesi airpower

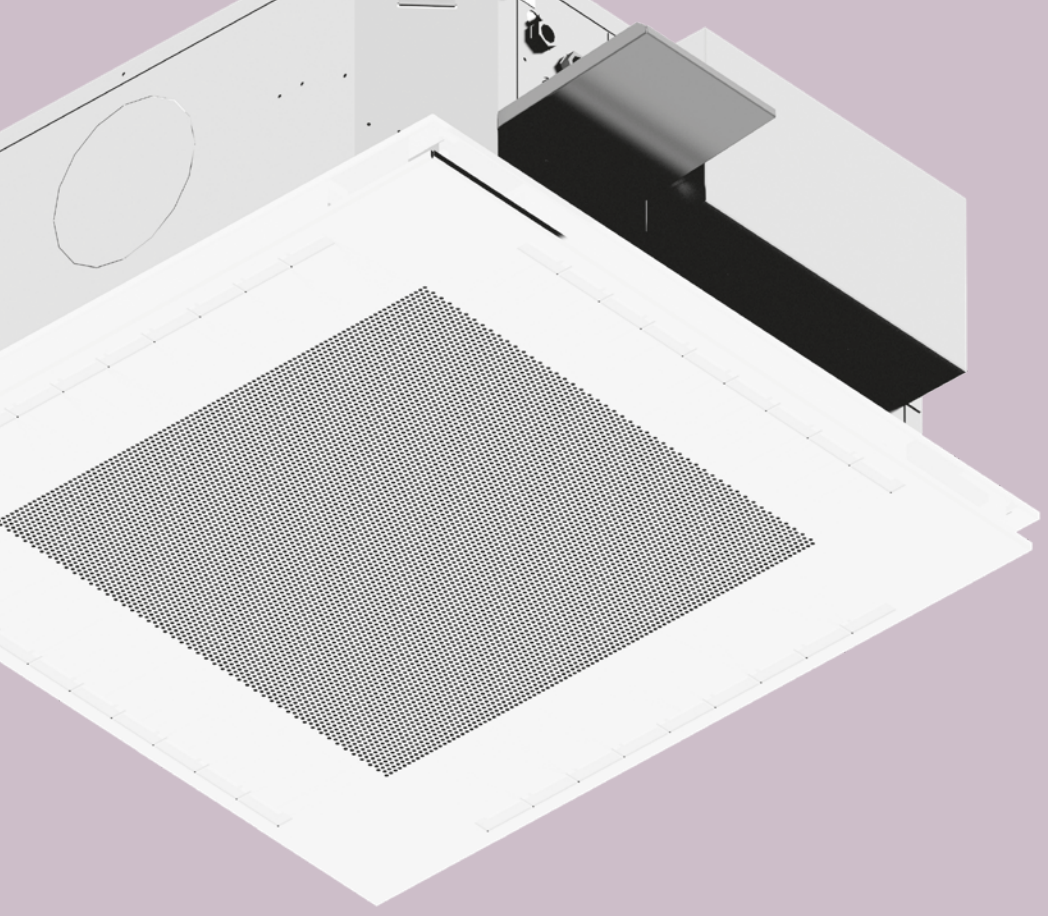
BREZZA BIG

WATER CASSETTE



SOMETHING DIFFERENT

GB



BREZZA BIG

WATER CASSETTE 90x90 mm

The new BREZZA series cassette fan coil unit for 2 and 4 pipe systems with AC/EC motors features a panel type with intake grille and diffusion frame entirely made of painted sheet metal. Thanks to the special shaping of the diffusion frame, the inlet flow of air sticks to the ceiling surface to then hit the walls homogeneously, without creating annoying air drafts (Coanda effect).
The MPK-C and MPK-D versions of the intake panel have been designed and tested to ensure maximum comfort. Thanks to the adjustable baffles, each user can customize the outlet air flow.

EC MOTOR

THE EC MOTOR ALLOWS THE SPEED OF THE FAN UNIT TO BE ACCURATELY MODULATED AND LIMITS THE ENERGY INPUT TO THE ACTUAL WORKLOAD REQUIRED, WITHOUT UNNECESSARY WASTE.

COMFORT COANDA EFFECT

THE COMPACT SIZED SPECIAL FRONT PANEL, MADE OF 0.8 MM THICK PAINTED SHEET METAL AND THE SHAPING OF THE BAFFLES GUARANTEE A COANDA EFFECT FOR THE OUTLET AIR FLOW.
ALTERNATIVELY, IT IS POSSIBLE TO HAVE A PANEL WITH FOUR MOVABLE BAFFLES, TO DIRECT THE AIR THROW VERTICALLY OR AT INTERMEDIATE POSITIONS.

MINIMAL DESIGN

THE STYLISH DESIGN OF THE PANEL INTEGRATES PERFECTLY INTO ANY ENVIRONMENT AND TYPE OF FALSE CEILING.

EASY INSTALLATION

THE BREZZA SERIES HAS BEEN DESIGNED TO ENSURE EASY INSTALLATION, IN FULL COMPLIANCE WITH THE APPLICABLE STANDARDS AND WORKMANLIKE PRACTICES.
THE HIGH THICKNESS METAL SHEETS LIMIT VIBRATION, WHICH IS A SOURCE OF NOISE. THE UNITS ARE EQUIPPED WITH BRACKETS FOR FIXING.

EASY MAINTENANCE

ALL THE UNIT COMPONENTS ARE EASILY ACCESSIBLE.

COOLING

4.0/8.0kw

HEATING

4.0/11.0kw

AIR FLOW

510-1700m³/h

CONSUMPTION REDUCED UP TO

52%

BREZZA BIG H

WITHOUT CONDENSATE PUMP:
- FEWER MAINTENANCE REQUIREMENTS
- MORE HYGIENE
- LOW NOISE
- AVAILABLE WITH SANITIZED FILTER (FA/SAN): REDUCED MOULD AND BACTERIA GROWTH
- HIGH EFFICIENCY FAH FILTER AVAILABLE

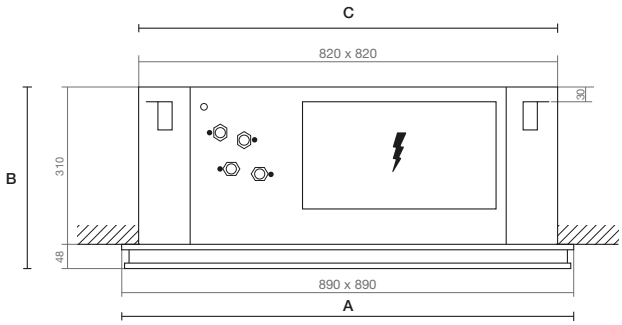
MECO

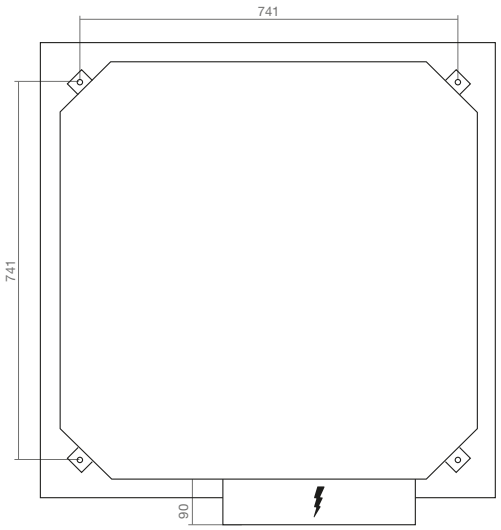
METAL COVER FOR EXPOSED INSTALLATION

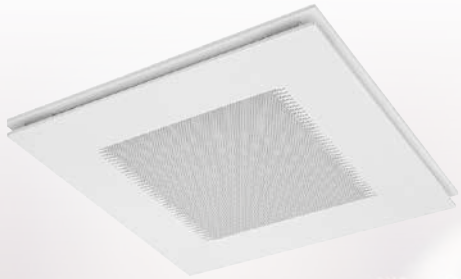
DIMENSIONS

SIZE	A	B	C	WEIGHT
243	890	358	820	50
246	890	358	820	50
283	890	358	820	50
286	890	358	820	50

A = length mm
B = height mm
C = depth mm







MPK-C

PANEL WITH FIXED FINS IN HORIZONTAL POSITION (COANDA): AIR DIFFUSION OCCURS ON ALL 4 SIDES OF THE UNIT.

MPK-D

PANEL WITH MANUALLY ADJUSTABLE FINS TO ADJUST THE AIR FLOW VERTICALLY, TOO.
COANDA EFFECT 3 M AT MINIMUM SPEED.

SHEET METAL PANEL

1. NO COLOUR CHANGES OVER TIME
2. IT CAN BE PAINTED THE SAME COLOUR AS THE CEILING
3. THE MPK-C AND MPK-D VERSIONS ARE EASILY INTERCHANGEABLE
4. INSTALLATION CAN BE CARRIED OUT AS LATER-STAGE RETROFITTING
5. IT OPENS FROM BELOW EASILY AND IN TOTAL SAFETY

BREZZA BIG

AC MOTOR
WITH 3-ROW COIL

		2 PIPES						4 PIPES					
		243			283			246			286		
SPEED(E)		min	med	max	min	med	max	min	med	max	min	med	max
Air flow	m3/h	630	851	1404	630	1180	1576	630	851	1404	630	1180	1576
COOLING - air 27°C (dry bulb) , 19°C wet bulb - water inlet 7°C, outlet 12°C													
Total capacity (E)	kW	4.73	6.03	8.83	4.73	7.77	9.61	4.56	5.77	8.28	4.56	7.33	8.94
Sensitive capacity (E)	kW	3.40	4,39	6.63	3.40	5.77	7.25	3.33	4.28	6.40	3.33	5.58	6.98
Water flow rate	l/h	812	1035	1515	812	1333	1649	782	990	1421	782	1258	1534
Δp (water) (E)	kPa	7.2	11.3	22.8	7.2	18.0	26.6	7.9	12.3	23.9	7.9	19.1	27.6
HEATING - air 20°C - water inlet 45°C, outlet 40°C													
Capacity (E)	kW	4.66	6.06	9.28	4.66	8.03	10.22	-	-	-	-	-	-
Water flow rate	l/h	835	1089	1663	835	1440	1828	-	-	-	-	-	-
Δp (water) (E)	kPa	6.1	9.8	21.6	6.1	16.5	25.7	-	-	-	-	-	-
HEATING - air 20°C - water inlet 65°C, outlet 55°C													
Capacity (E)	kW	-	-	-	-	-	-	4.42	5.44	7.60	4.42	6.77	8.21
Water flow rate	l/h	-	-	-	-	-	-	360	435	586	360	530	628
Δp (water) (E)	kPa	-	-	-	-	-	-	2.9	4.3	7.9	2.9	6.4	9.1
MOTOR ELECTRIC POWER DRAW													
Power draw (E)	W	37	56	104	37	84	123	37	56	104	37	84	123
Max power draw	A		0.70			0.70			0.70			0.70	
SOUND DATA													
Sound power (E)	dB(A)	36	45	57	36	51	59	36	45	57	36	51	59
Sound pressure (*)	dB(A)	21	34	43	27	42	49	27	36	48	27	42	50

(E) = EUROVENT certified performance
(*) = the sound pressure levels are lower than power levels by 9 dB(A) for a 100 m³ space and a reverberation time of 0.5 sec.

EC MOTOR
WITH 3-ROW COIL

		2 PIPES			4 PIPES		
		283			286		
SPEED(E)		1V	4V	9V	1V	4V	9V
Air flow	m3/h	625	980	1599	625	980	1599
COOLING - air 27°C (dry bulb) , 19°C wet bulb - water inlet 7°C, outlet 12°C							
Total capacity (E)	kW	4.73	6.78	9.74	4.56	6.46	9.06
Sensitive capacity (E)	kW	3.41	4.99	7.37	3.33	4.85	7.10
Water flow rate	l/h	812	1163	1671	782	1108	1555
Δp (water) (E)	kPa	7.1	13.8	27.1	7.8	14.9	28.1
HEATING - air 20°C - water inlet 45°C, outlet 40°C							
Capacity (E)	kW	4.60	6.81	10.31	-	-	-
Water flow rate	l/h	829	1231	1849	-	-	-
Δp (water) (E)	kPa	6.0	12.3	26.3	-	-	-
HEATING - air 20°C - water inlet 65°C, outlet 55°C							
Capacity (E)	kW	-	-	-	4.36	5.93	8.26
Water flow rate	l/h	-	-	-	358	474	633
Δp (water) (E)	kPa	-	-	-	2.9	5.1	9.3
MOTOR ELECTRIC POWER DRAW							
Power draw (E)	W	10	24	95	10	24	95
Max power draw	A		1.00			1.00	
SOUND DATA							
Sound power (E)	dB(A)	34	47	59	34	47	59
Sound pressure (*)	dB(A)	25	36	50	25	38	50
ENERGY CLASSIFICATION							
FCEER (E)			366 (A)			290 (A)	
FCCOP(E)			360 (A)			278 (B)	

(E) = EUROVENT certified performance
(*) = the sound pressure levels are lower than power levels by 9 dB(A) for a 100 m³ space and a reverberation time of 0.5 sec.

AER.DP.BREBIG.GB.003.02.23

tipografia **battagin** s. zenone e. (tv)

Aertesi srl
Viale della Tecnica, 6/a
35026 Conselve (PD) ITALY

t. +39.049.9501109
f. +39.049.9500823

www.aertesi.com
info@aertesi.com