

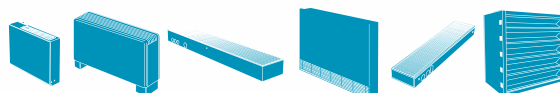


jaga

BRIZA

TOP
PERFORMERS

BROCHURE £ UK 2013





TOP PERFORMERS

BRIZA

Super slim and powerful heating, cooling and ventilation

Briza is a climate unit with a dual personality: a Hybrid that provides comfortable heat in winter and refreshing cooling in summer. It provides you with an optimum indoor climate throughout the year.

The power behind the Briza comfort system is the ingenious Low-H₂O technology, combined with a near silent dynamic system. Briza is the slimmest hybrid available on the market with this much power. It's like putting the power of a Jaga Brise in a slender design radiator. That also makes Briza ideal for connecting to low-temperature systems like heat pumps, solar energy systems and condensing boilers.

Using the latest EC motors enables Brizas to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.



jagaHybridHeating

Suitable for non-condensing and condensing cooling with chilled water



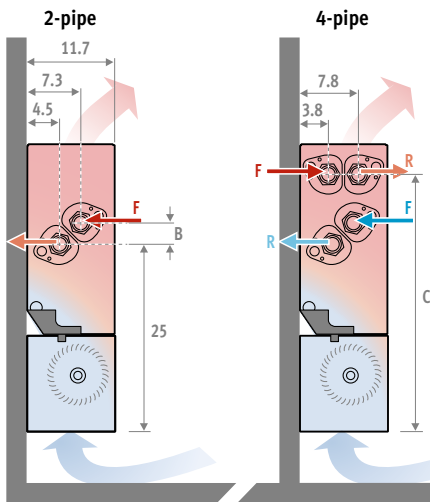
BRIZA sandblast grey



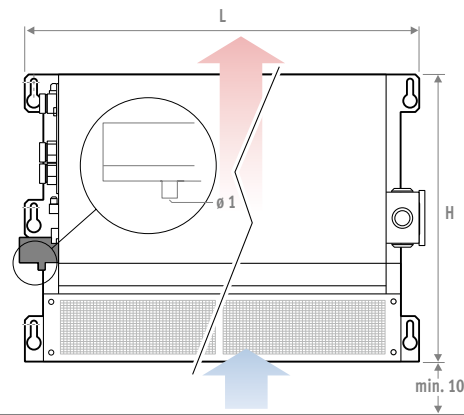


DIMENSIONS (in cm)

BUILDING-IN BZBW/BZBC

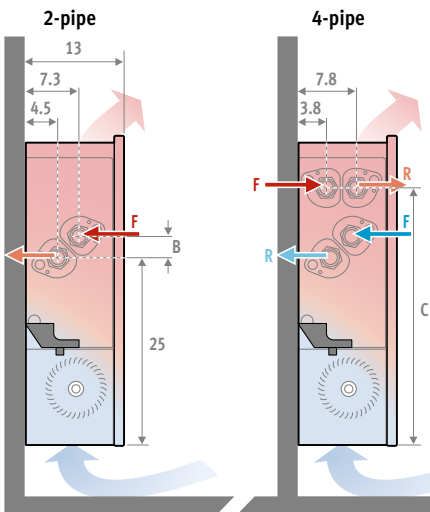


F: flow
R: return
3/4" Eurocone

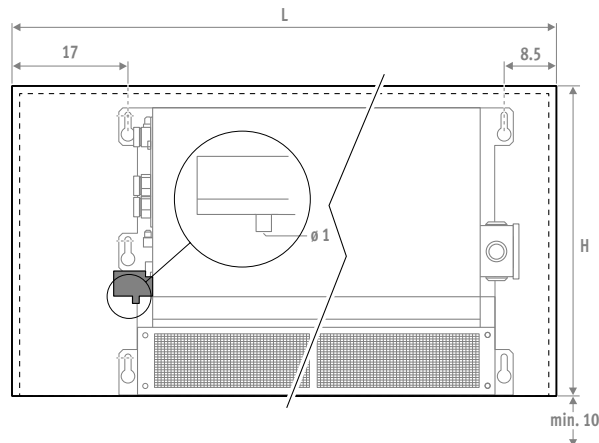


	H 38	H 52
H	38.0	52.0
B	2.8	3.5
C	34.0	48.0

WITH CASING BZMW/BZMC



F: flow
R: return
3/4" Eurocone



	H 41	H 55
H	40.5	55.0
B	2.8	3.5
C	34.0	48.0

All dimensions +/- 0.2cm

ORDERING CODE 2-PIPE

code height length colour conn.
BZMW . 041 075 . XXX /20
fill in colour code ↓

ORDERING CODE 4-PIPE

code height length colour 4-pipe conn.
BZMW . 041 075 . XXX /4 /20
fill in colour code ↓

EASY TO INSTALL

The Briza is light and compact. The construction is designed to have sufficient space for simple connection and installation of accessories within the dimensions of the Briza.

STANDARD DELIVERY

Pre-assembled radiator, delivered in a practical cardboard box. For shops, offices, schools, hotels, conference rooms, etc...

Type BZMC and BZMW are equipped with a casing in sendzimir galvanized steel plate with an aluminum top grille, finished in the same colour as the radiator.

Standard delivery includes:

- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- stainless steel air filter
- ABS condensation tray with drain

COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface. High UV resistance.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart

HYDRAULIC CONNECTION & ELECTRIC CONNECTION

Jaga's extensive range offers a Briza for every application:

- heating or cooling using a 2-pipe heat exchanger for hydraulic heating systems.
- heating and cooling using a 4-pipe heat exchanger for two separated hydraulic systems.

Standard connection:

- hydraulic connections eurocone 3/4" on the left hand side
 - clamp connector for electric connection 24VDC, to connect via an external power supply, on the right hand side,
- Other connections:
- hydraulic right, electric left: connection code /70 instead of /20.
- No surcharge.



2-PIPE

		HEATING									COOLING						WALL		CEILING	
		Watts 75/65/20°C			Watts 55/45/20°C			Watts 45/38/20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.			£	£	£	£
		max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	st. colour	other	st. colour	other
H L BUILDING-IN																				
		BZBW.HHH LLL /20 BZBC.HHH LLL /20																		
038	052	1836	1421	1068	1102	852	641	785	608	457	486	390	280	365	273	210	544.70	---	544.70	---
	072	3021	2247	1757	1813	1350	1054	1292	961	751	800	622	460	600	476	345	592.70	---	592.70	---
	102	4798	3655	2791	2879	2190	1675	2052	1563	1194	1270	971	730	953	732	548	736.90	---	736.90	---
	122	5983	4611	3479	3590	2760	2087	2559	1972	1488	1584	1223	910	1188	911	683	790.30	---	790.30	---
052	052	2717	2269	1596	1630	1361	958	1162	970	683	721	602	423	540	451	317	704.90	---	704.90	---
	072	4499	3757	2643	2700	2254	1586	1924	1607	1130	1193	997	701	894	746	525	790.30	---	790.30	---
	102	7172	5988	4213	4303	3593	2528	3067	2561	1802	1902	1588	1117	1425	1190	837	982.60	---	982.60	---
	122	8953	7476	5259	5372	4486	3156	3829	3197	2249	2375	1983	1395	1779	1485	1045	1073.30	---	1073.30	---
H L WITH CASING																				
		BZMW.HHH LLL .XXX/20 BZMC.HHH LLL .XXX/20																		
041	075	1670	1292	972	1002	775	583	714	553	416	442	354	254	332	245	191	635.50	705.80	635.50	705.80
	095	2749	2047	1598	1649	1229	959	1176	875	683	728	564	418	546	472	313	694.20	770.70	694.20	770.70
	125	4366	3321	2540	2620	1993	1524	1867	1420	1086	1155	882	664	867	664	498	862.40	957.60	862.40	957.60
	145	5444	4186	3165	3267	2512	1900	2328	1790	1353	1441	1110	888	1081	828	621	923.80	1025.30	923.80	1025.30
055	075	2588	2161	1520	1553	1297	912	1107	924	650	686	573	403	514	429	302	817.00	898.70	817.00	898.70
	095	4285	3578	2517	2571	2147	1510	1832	1530	1076	1137	949	668	851	711	500	907.80	998.60	907.80	998.60
	125	6830	5703	4012	4098	3422	2407	2921	2439	1716	1812	1513	1064	1357	1133	797	1126.70	1239.40	1126.70	1239.40
	145	8527	7120	5009	5116	4272	3005	3646	3045	2142	2264	1889	1329	1694	1415	995	1228.20	1351.00	1228.20	1351.00

4-PIPE

		HEATING									COOLING						WALL		CEILING	
		Watts 75/65/20°C			Watts 55/45/20°C			Watts 45/38/20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.			£	£	£	£
		max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	st. colour	other	st. colour	other
H L BUILDING-IN																				
		BZBW.HHH LLL /4/20 BZBC.HHH LLL /4/20																		
038	052	1468	1136	854	881	682	513	628	486	365	388	312	224	292	216	168	646.10	---	646.10	---
	072	2416	1800	1405	1450	1080	843	1033	770	601	640	496	368	480	376	278	710.20	---	710.20	---
	102	3838	2920	2232	2303	1752	1340	1641	1249	954	1016	776	584	762	480	438	902.50	---	902.50	---
	122	4786	3680	2783	2872	2208	1670	2047	1574	1190	1264	976	728	950	728	546	977.20	---	977.20	---
052	052	1157	895	673	694	537	404	495	383	288	541	451	318	405	338	238	779.60	---	779.60	---
	072	1903	1418	1107	1142	851	664	814	606	473	895	747	526	670	560	394	881.10	---	881.10	---
	102	3023	2300	1758	1814	1380	1055	1293	984	752	1427	1191	838	1069	892	628	1084.00	---	1084.00	---
	122	3769	2898	2192	2262	1739	1315	1612	1239	937	1781	1487	1046	1334	1114	784	1196.20	---	1196.20	---
H L WITH CASING																				
		BZMW.HHH LLL .XXX/4/20 BZMC.HHH LLL .XXX/4/20																		
041	075	1336	1033	777	802	620	467	571	442	332	353	283	203	265	196	152	736.90	817.90	736.90	817.90
	095	2199	1638	1279	1320	983	767	940	700	547	582	451	334	436	342	251	811.70	900.70	811.70	900.70
	125	3492	2657	2031	2096	1594	1219	1493	1136	869	924	706	531	693	531	398	1028.00	1141.00	1028.00	1141.00
	145	4355	3348	2532	2613	2009	1520	1862	1432	1083	1153	888	662	864	662	497	1110.70	1232.70	1110.70	1232.70
055	075	1102	852	641	661	511	384	471	364	274	515	430	302	386	322	227	891.80	973.50	891.80	973.50
	095	1813	1350	1054	1088	810	633	775	577	451	852	712	501	639	533	375	998.60	1089.40	998.60	1089.40
	125	2879	2190	1675	1727	1314	1005	1231	937	716	1359	1135	798	1018	850	598	1228.20	1340.90	1228.20	1340.90
	145	3590	2760	2087	2154	1656	1252	1535	1180	892	1696	1416	996	1271	1061	746	1351.00	1473.80	1351.00	1473.80

BRIZA - TECHNICAL INFORMATION

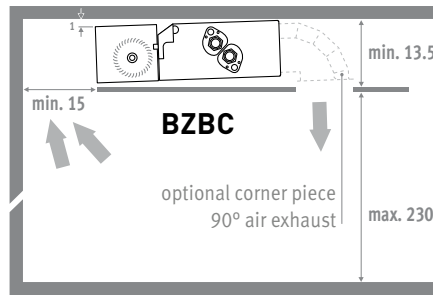
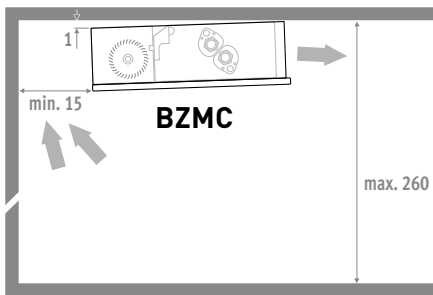
		SOUND PRESSURE** <i>according to ISO 23741/2</i>			POWER CONSUMPTION			AIR FLOW <i>with clean filters</i>			WATER FLOW <i>litre/h</i>			
		dB(A)			Watts			m ³ /h			heating		cooling	
		max.*	med.*	min.*	max.*	med.*	min.*	max.*	med.*	min.*	2-pipe	4-pipe	2-pipe	4-pipe
H	L													
038/041	052/075	39.8	32.1	22.3	17	10	4	250	195	125	158	126	83	67
	072/095	40.2	33.0	23.4	18	11	5	400	300	200	260	208	137	110
	102/125	41.5	34.2	23.7	24	14	7	500	390	250	412	330	218	174
	122/145	42.5	35.3	24.9	26	17	9	725	511	302	514	411	272	217
052/055	052/075	39.8	32.1	22.3	15	9	4	223	173	119	130	126	222	205
	072/095	40.2	33.0	23.4	16	10	5	375	287	195	215	208	368	355
	102/125	41.5	34.2	23.7	22	16	6	456	361	227	343	330	587	568
	122/145	42.5	35.3	24.9	23	17	9	672	489	288	429	411	733	721

* max. 10 VDC / med. 7 VDC / min. 3 VDC

** Height 1 metre, 2 metres from the air exhaust grille.

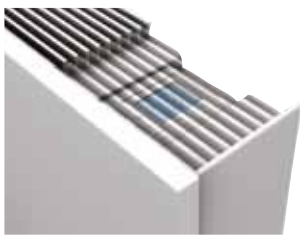
Correction factors & pressure drop: see "Technical info" chapter

INSTALLATION OF CEILING-MOUNTED MODEL



BRIZA - OPTIONS

BUILT-IN THERMOSTAT FOR HEATING/COOLING, 3 SPEEDS - 230V



- for 2 pipe wall mounted model with casing
- LCD display
- 8 daily periods programmable
- automatic or manual cooling / heating changeover
- on / off or 3-position control outputs
- speed control: automatic or manual
- operating modes: comfort, energy saving and frost protection
- pre-assembled two-way valve and power supply 230 VAC
- pre-installed power supply 230VAC to 24VDC for the fans
- sleeve couplings M24 not included

CODE	Surcharge £
/T	512.60

Add /T to the code of Briza.

Example: BZMW. 041 072. XXX /20 /T

SLEEVE COUPLINGS M24

to suit Jaga Connection sets

PRECISION METAL TUBE		
CODE	Description	£/p.
5094.110	ø M24 x 10/1	2.40
5094.112	ø M24 x 12/1	2.40
5094.114	ø M24 x 14/1	2.40
5094.115	ø M24 x 15/1	2.40
5094.116	ø M24 x 16/1	2.40
5094.118	ø M24 x 18/1	2.40

SYNTHETIC TUBE		
CODE	Description	£/p.
5094.212	ø M24 x 12/2	3.00
5094.214	ø M24 x 14/2	3.00
5094.219	ø M24 x 16/1.5	3.00
5094.216	ø M24 x 16/2	3.00
5094.217	ø M24 x 17/2	3.00
5094.218	ø M24 x 18/2	3.00

RPE/ALU TUBE		
CODE	Description	£/p.
5094.314	ø M24 x 14/2	3.80
5094.316	ø M24 x 16/2	3.80
5094.326	ø M24 x 16/2.2	3.80
5094.318	ø M24 x 18/2	3.80

STEEL TUBE FOR C.H.		
CODE	Description	£/p.
5094.501	ø M24 x 1/2"	5.10

SLEEVE COUPLINGS EUROCONE 3/4"

when not using Jaga Connection sets

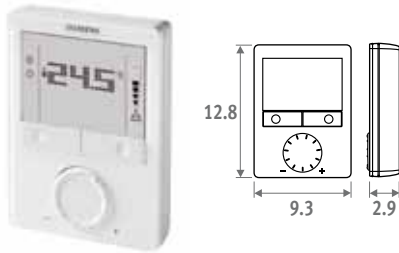
PRECISION METAL TUBE		
CODE	Description	£/p.
5094.2112	ø 3/4" x 12/1	3.30
5094.2114	ø 3/4" x 14/1	3.30
5094.2115	ø 3/4" x 15/1	3.30
5094.2116	ø 3/4" x 16/1	3.30
5094.2118	ø 3/4" x 18/1	3.30

SYNTHETIC OR RPE/ALU TUBE		
CODE	Description	£/p.
5094.2612	ø 3/4" x 12/2	3.80
5094.2614	ø 3/4" x 14/2	3.80
5094.2616	ø 3/4" x 16/2	3.80
5094.2617	ø 3/4" x 17/2	3.80
5094.2618	ø 3/4" x 18/2	3.80
5094.2615	ø 3/4" x 15/2.5	3.80
5094.2619	ø 3/4" x 16/1.5	3.80
5094.2620	ø 3/4" x 20/2	3.80

OPTIONS - BRIZA



THERMOSTAT HEATING / COOLING



- room regulator for one room
- automatic or manual changeover heating/cooling
- display with background lighting
- power supply 24 VDC
- output control 0-10 VDC
- valve control 0-10 VDC
- min. and max. temperature control

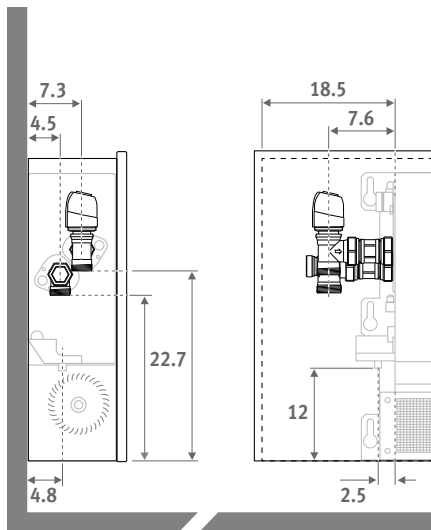
CODE	£
8751.050006	270.80

CONNECTION SET 24 VDC (0-10 VDC)



- 24 VDC thermal motor 0-10V
- valve Eurocone 3/4" x M24 90°
- lockshield Eurocone 3/4" x M24 90°
- control 0-10 V
- sleeve couplings M24 not included

CODE	£
8727.020	218.90



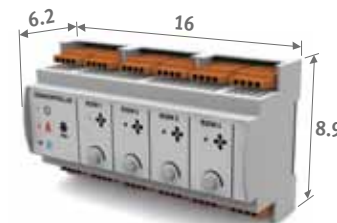
JAGA CLOCK THERMOSTAT



Automatic thermostat with day - night and week programme. Activators: auto / continuous. Batteries included

CODE	£
7990.073	95.70

CONTROL FOR MULTIPLE ROOMS



- control of multiple rooms (max. 4 zones)
- control of the heating installation
- control of the cooling installation
- control of three-way valves
- control of zone valves per room
- control of fans via 0-10VDC signal
- manual adjustment of fan speed
- indication of the operating mode by means of LEDs
- for DIN rail mounting
- to be used with thermostats with volt free contacts
- (e.g. Jaga clock thermostat 7990.073)
- screw connectors

CODE	£
7990.035	514.00

JAGA TWO-WAY VALVE AND MOTOR 230V



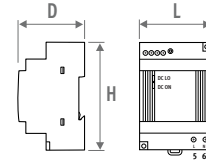
- with varistor to protect against power surge
- with position indicator (open/closed)

CODE	Description	£
7990.409	180° - G1/2" F / NG 230V 2Watts	59.50
7990.411	180° - G3/4" F / NG 230V 2Watts	67.90

POWER SUPPLY



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.050	9.1	5.3	5.5
7990.051	9.1	7.1	5.5
7990.052	9.1	8.9	5.5
7990.053	12.5	8.3	11.6

- for DIN-rail or wall mounting
- safety: UL1310 Class 2
- output voltage between 24 - 28 VDC
- input voltage 90 - 264 VAC
- screw connection
- LED display
 - green = on
 - red = DC low power / short circuit

CODE	Output Watts	Output current A	£
7990.050	31	1.3	63.70
7990.051	60	2.5	81.30
7990.052	100	4.2	99.00
7990.053	240	10	109.60

Required power = sum of the power consumption of the devices

MAX. CABLE LENGTH (in metre)

Number of ventilators	Min. cable thickness mm ²				
	2.5	1.5	1	0.75	0.5
1	164.8	98.9	65.9	49.5	33.0
2	82.4	49.5	33.0	24.7	16.5
3	54.9	33.0	22.0	16.5	11.0
4	41.2	24.7	16.5	12.4	8.2
5	33.0	19.8	13.2	9.9	6.6
6	27.5	16.5	11.0	8.2	5.5
7	23.5	14.1	9.4	7.1	4.7
8	20.6	12.4	8.2	6.2	4.1
9	18.3	11.0	7.3	5.5	3.7
10	16.5	9.9	6.6	4.9	3.3
11	15.0	9.0	6.0	4.5	3.0
12	13.7	8.2	5.5	4.1	2.7
13	12.7	7.6	5.1	3.8	2.5
14	11.8	7.1	4.7	3.5	2.4
15	11.0	6.6	4.4	3.3	2.2
16	10.3	6.2	4.1	3.1	2.1
17	9.7	5.8	3.9	2.9	1.9
18	9.2	5.5	3.7	2.7	1.8
19	8.7	5.2	3.5	2.6	1.7
20	8.2	4.9	3.3	2.5	1.6
21	7.8	4.7	3.1	2.4	1.6

Cable length in function of the number of fans (max. volt drop 5%)

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