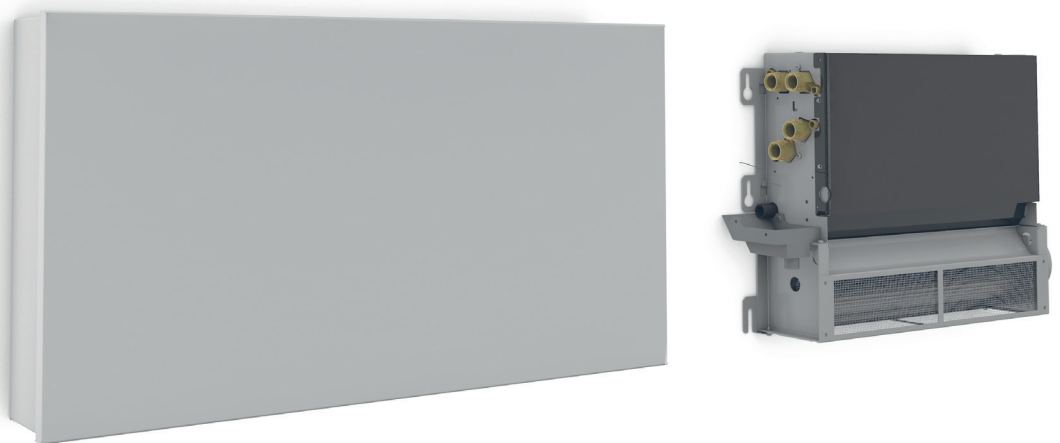
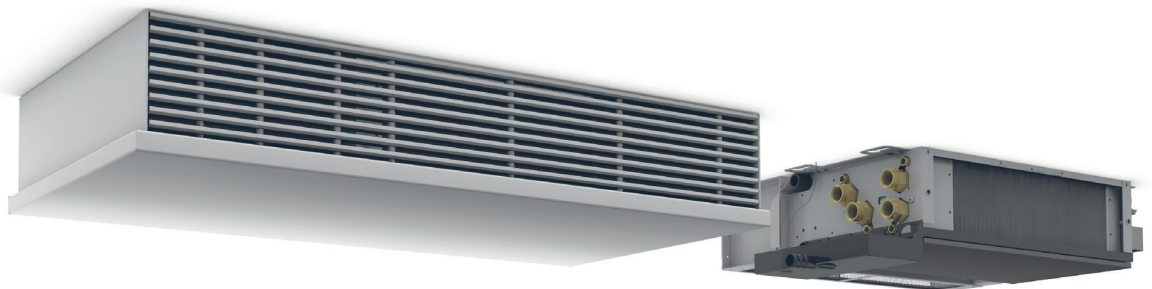
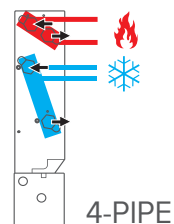
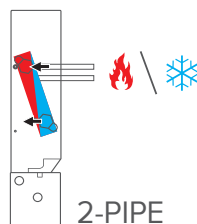


- low water-temperature system
- 2-or 4-Pipe system
- heating and / or cooling
- with or without casing
- easy installation
- EC motor
- more silent, more powerful, more economical, more sustainable
- extensive range for wall and ceiling mounting



❄️ 🔥 INFO-SHEET LOW TEMPERATURE SYSTEM / **HEATING** **COOLING**

Index	P.	
Product introduction	3	introduction
	4	composition
	5	product description / Options / CE / CEBEC
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	10	H52: heating 2-pipe 75/65/20, 55/45/20, 35/30/20 - cooling 2-pipe 7/12/27, 16/18/27 50%
	11	H52: heating 4-pipe 75/65/20, 55/45/20, 35/30/20 - cooling 4-pipe 7/12/27, 16/18/27 50%
	12	H41: heating 2-pipe 75/65/20, 55/45/20, 35/30/20 - cooling 2-pipe 7/12/27, 16/18/27 50%
	13	H41: heating 4-pipe 75/65/20, 55/45/20, 35/30/20 - cooling 4-pipe 7/12/27, 16/18/27 50%
	14	H55: heating 2-pipe 75/65/20, 55/45/20, 35/30/20 - cooling 2-pipe 7/12/27, 16/18/27 50%
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	23	valves (connection sets) / Thermoelectric motor / Sleeve couplings / Corner piece 90 ° M24 x M24
	24	24 VAC power supplies
	25	Jaga Dynamic Product Controller (JDPC)
	26	roomthermostats JRT 100 / JRT 200
	27	roomthermostats RDG 160T / Briza with thermostat built-in
	31	pressure lost heat exchanger
Product descriptions	32	Briza 52/H55 wall or ceiling with casing
	33	Briza 038/052 built-in wall or ceiling



Jaga Briza EC is best suited for: Renovation projects, air conditioning of residential houses, retail stores, office spaces and meeting rooms, schools, hotels, a winter garden, etc.

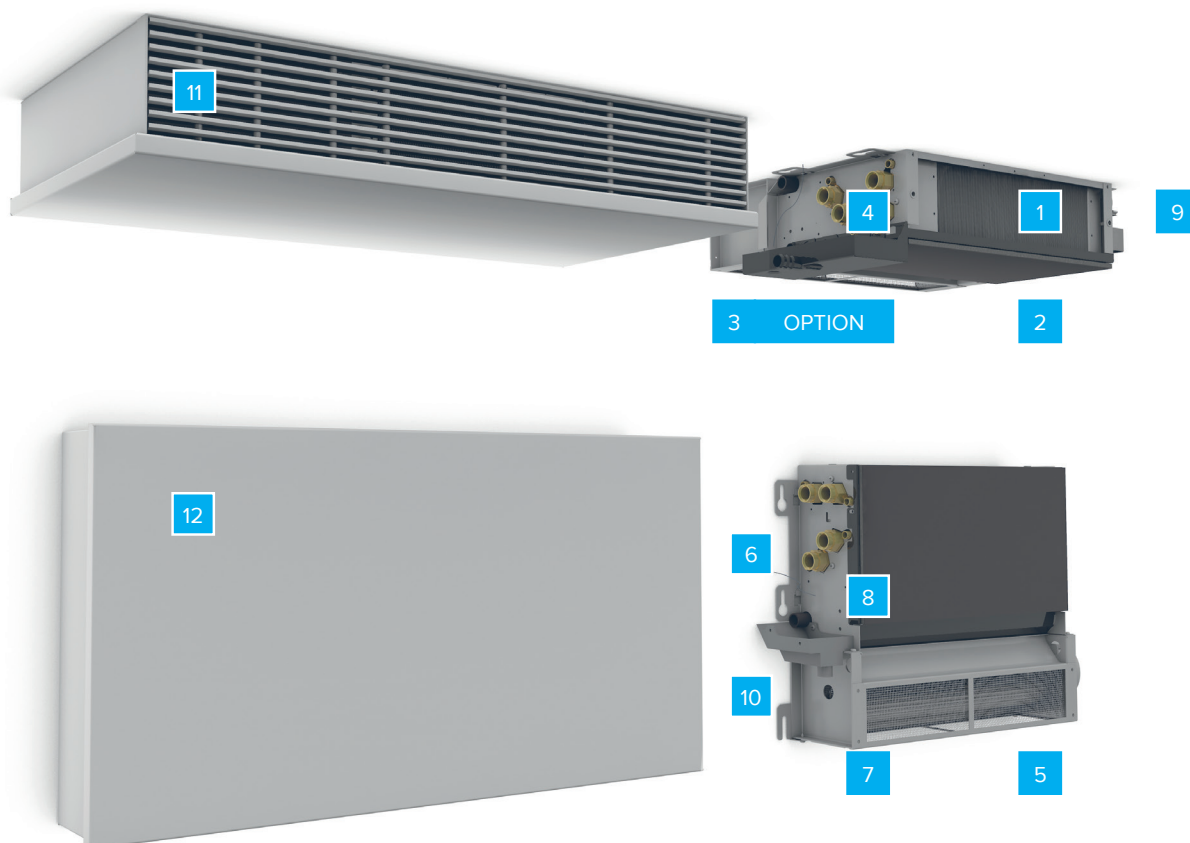
EC motor: faster, more powerful, more economical, more sustainable.

“Electronic commutation or EC technology”: intelligent, low-energy and environmentally friendly.

Environmentally friendly technologies and energy efficiency: these are probably the most current terms! With the introduction of the electronic commutation or EC motors, we take a big step in the direction of lower energy consumption, less noise and a longer lifetime.

- 0...10V controllable
- heating and /or cooling
- for wall and ceiling, recessed or surface mounted
- built-in, 2 heights: 38 or 52 cm, 4 lengths
- surface mounted with casing, 2 heights: 41 or 55 cm, 4 lengths
- 2-Pipe or 4-Pipe- system
- easy installation

Composition



Composition Briza Wall & Ceiling recessed

10	Condensation tray wall model standard included
11	Dynamic outlet grille for wall and ceiling construction
12	Casing



Dynamic outlet grille 11



ATTENTION!

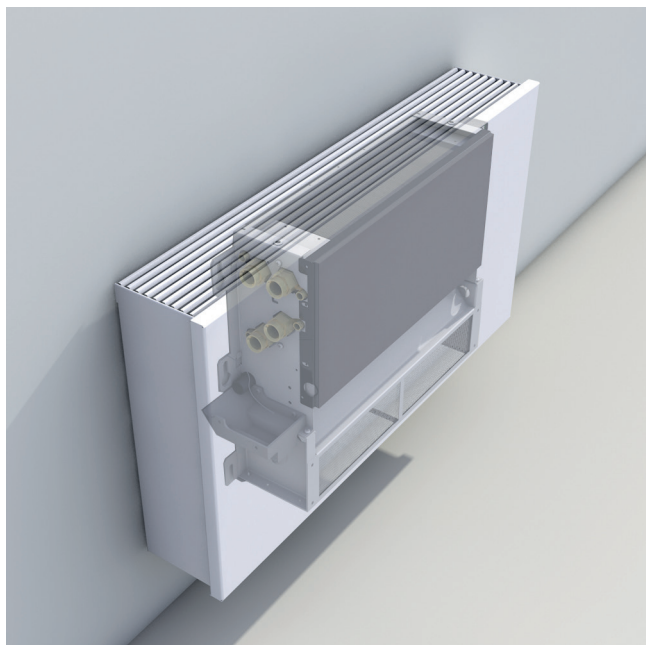
The direction of the airflow is determined by the shape of the grid slats. Place the grid so the airflow is blown in the direction of the room.

Composition Briza Wall & Ceiling Built-In

1	Dynamic Low-H ₂ O heat exchanger
2	Condensation tray model ceiling
3	Optional Condensation tray, only for ceiling model
4	Hydraulic connection: 3/4" (Eurocone) Standard left
5	RVS filter
6	Mounting holes
7	Tangential fan
8	Frame made of electrolytically galvanized steel sheet
9	Electrical connection

New generation fans with energy-efficient operation:

Due to the better efficiency of the EC-motors, thanks to the presence of the commutation electronics, the power consumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.



Product description:

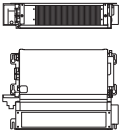
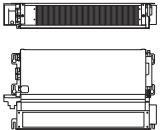
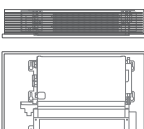
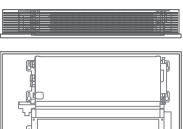
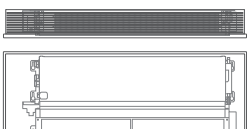
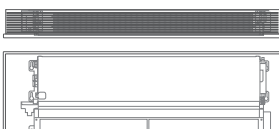
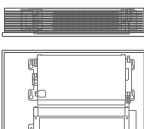
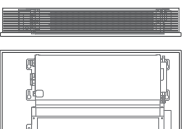
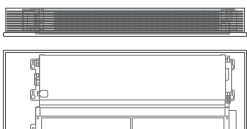
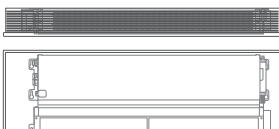
- energy-saving maintenance-free EC motor
- heating & cooling
- 2-pipe system 4 lengths
- 4-pipe system 4 lengths
- condensation tray wall version standard
- electronic speed control with 0 ... 10V signal
- suitable for non-condensing and total cooling by means of chilled water
- hydraulic connection left, electrical connection to the right. Also available with hydraulic connection right and electrical connection to the left.
- standard lacquered in the color white (RAL 9010) / traffic white (RAL 9016) / or sandblaster gray metal 001

Options:

- non-standard colors (at extra cost)
- condensate drain pan (for recessed ceiling mounting)
- (micro float) condensation level sensor
- cornerpiece 90° air outlet for wall and ceiling recessed
- adjustable aluminum wall grille
- valve sets
- clamp couplings
- connection set with 2 lockshields m24 m24 90°
- power supply 24 VDC: 36, 60 or 62 Watt. input volt. 100 - 240 VAC
- Jaga Dynamic Product Controller (JDPC)
- roomthermostat JRT 100
- roomthermostat JRT 200
- roomthermostat RDG 160T
- built-in thermostat



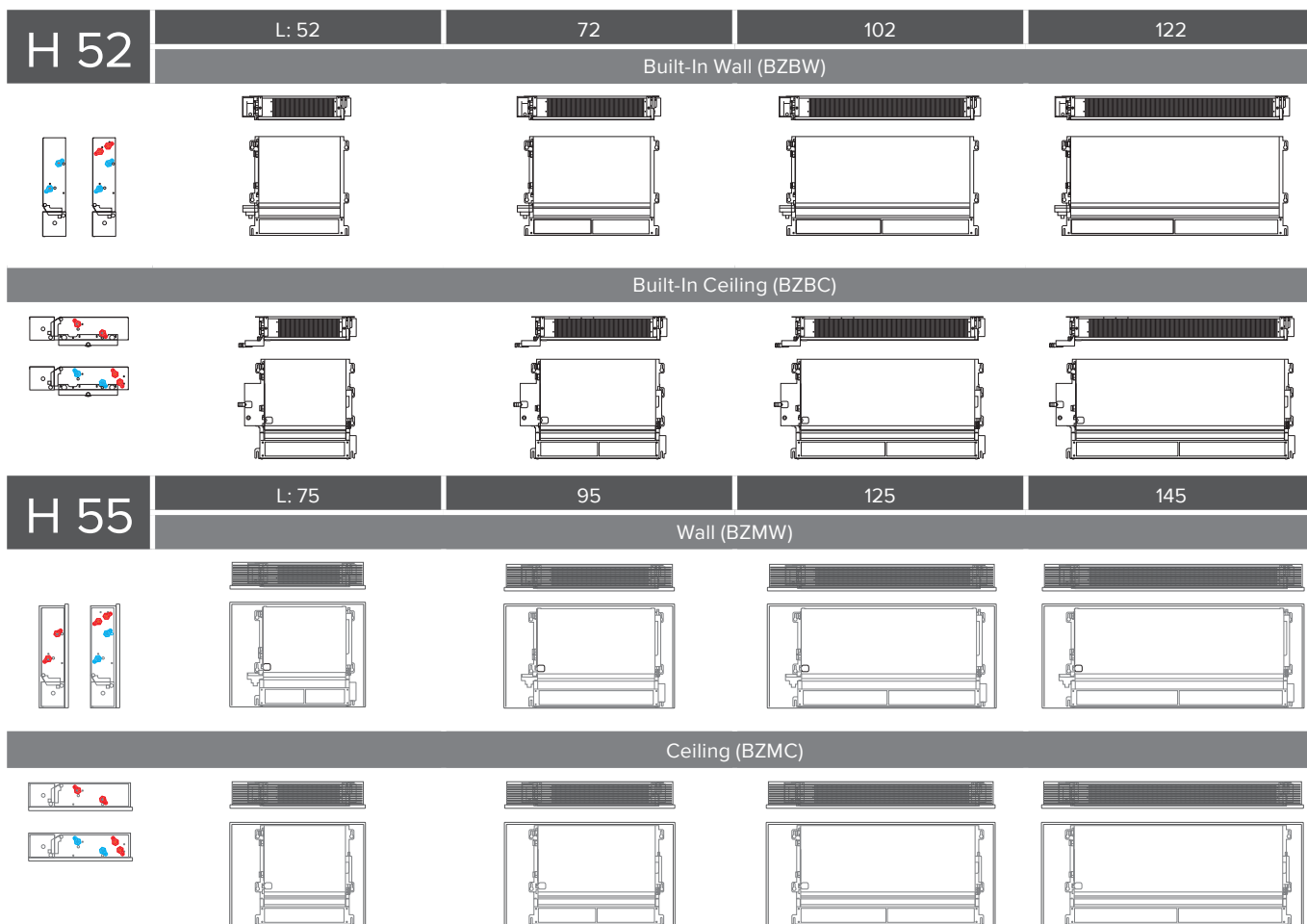
NBN EN60335-1 based on EN60335-1:2002 + a11:2004 + a1:2004 + a12:2006 + a2:2006 + a13:2008 + A14:2010 + A15:2011
NBN EN 60335-2-80 based on EN 60335-2-80:2003 + A1:2004 + A2:2009

H 38	L: 52	72	102	122
	Built-In Wall (BZBW)			
				
H 41	L: 75	95	125	145
	Wall (BZMW)			
				
H 41	L: 75	95	125	145
	Ceiling (BZMC)			
				

example ORDER CODE 2-PIPE:

CODE height length color connection
BZMW . 041 095 . XXX /20
|
color code (fill in)

BRIZA EC HYBRID H38 / H41 Built-In general technical data						
		L >	52 / 75	72 / 95	102 / 125	122 / 145
Power supply	V		24V			
Length (L) (built-in / with casing)	cm		52 / 75	72 / 95	102 / 125	122 / 145
Height (built-in / with casing)	cm		38/41			
Dept	cm		12			
Connection standard heat exchanger	inch		3/4"			
Connection additional heat exchanger (4-pipe)	inch					
Connection for the condensate discharge	cm		2			
Water content standard heat exchanger	liter		0.15	0.25	0.4	0.5
Water content additional heat exchanger	liter		0.15	0.25	0.40	0.50



example ORDER CODE 2-PIPE:

CODE height length color connection
BZMW . 055 095 . XXX /20
color code (fill in)

BRIZA EC HYBRID H52 / H55 Built-In general technical data

		L >	52 / 75	72 / 95	102 / 125	122 / 145
Power supply	V		24V			
Length (L) (built-in / with casing)	cm		52 / 75	72 / 95	102 / 125	122 / 145
Height (built-in / with casing)	cm		52 / 55			
Dept	cm		12			
Connection standard heat exchanger	inch		3/4"			
Connection additional heat exchanger (4-pipe)	inch					
Connection for the condensate discharge	cm		2			
Water content standard heat exchanger	liter		0.30	0.50	0.80	1.00
Water content additional heat exchanger	liter		0.15	0.25	0.40	0.50

Jaga Briza 12 H38 data

2 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dbA]	[dbA]	[W]	(m³/h)

L 052

20	2	1000	600	250	200	282	114	19,0	27,0	1,6	70
40	4	1150	690	288	245	342	140	25,2	33,2	2,6	111
60	6	1310	786	328	305	420	174	32,5	40,5	4,3	155
80	8	1530	918	383	355	485	203	39,0	47,0	7,2	196
100	10	1836	1102	459	411	554	235	44,0	52,0	13,0	235

L 072

20	2	1620	972	405	347	490	198	21,5	29,5	2,5	119
40	4	1980	1188	495	406	567	232	27,5	35,5	4,3	189
60	6	2100	1260	525	487	672	278	34,9	42,9	7,2	245
80	8	2460	1476	615	576	785	329	40,7	48,7	11,5	315
100	10	3021	1813	755	677	913	387	45,0	53,0	18,0	380

L 102

20	2	2600	1560	650	572	809	327	23,1	31,1	2,6	160
40	4	3200	1920	800	644	900	368	30,0	38,0	4,8	243
60	6	3400	2040	850	758	1046	433	38,0	46,0	8,0	328
80	8	4000	2400	1000	898	1225	513	44,0	52,0	14,0	419
100	10	4798	2879	1200	1076	1451	615	48,5	56,5	24,0	492

L 122

20	2	3275	1965	819	691	977	395	26,0	34,0	2,8	190
40	4	4020	2412	1005	718	1002	410	31,4	39,4	5,5	295
60	6	4300	2580	1075	952	1314	544	38,4	46,4	10,3	410
80	8	5020	3012	1255	1127	1537	644	44,2	52,2	18,5	512
100	10	5983	3590	1496	1341	1807	766	48,0	56,0	28,8	560

*Sound power according to ISO 3741:2010 / **Sound pressure with an assumed room damping of 8dB(A)

Allowable minimum water temperature (° C) in function of temperature (° C) and relative humidity (%) of ambient air

In cooling mode, the condensation forming on the heat exchanger will be drained via the condensation drain connection. At very low cooling water temperature and very high humidity, condensation may form on the device on components other than the heat exchanger. This condensate is not collected in the condensation drain, but possibly drips on the floor or lower objects below the appliance. To avoid this, a minimum permitted water temperature must be taken into account, depending on the relative humidity and temperature of the ambient air.

RH (%)	Ambient temperature or dry bulb temp (° C)					
	21	23	25	27	29	31
40	3	3	3	3	3	4
50	3	3	3	3	4	6
60	3	3	4	4	6	6
70	3	4	5	6	8	10
80	4	5	6	8	10	-
90	5	6	8	10	-	-
100	6	8	10	-	-	-
Allowable minimum water temperature						

Jaga Briza 12 H38 data

4 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dBa]	[dBa]	[W]	(m³/h)

L 052

20	2	799	479	200	175	247	100	19,0	27,0	1,8	32
40	4	920	552	230	208	291	119	25,2	33,2	3,0	67
60	6	1050	630	263	245	338	140	32,5	40,5	4,8	95
80	8	1230	738	308	287	391	164	39,0	47,0	8,0	128
100	10	1468	881	367	329	444	188	44,0	52,0	13,7	157

L 072

1342	2	1342	805	336	289	408	165	21,5	29,5	2,0	57
1500	4	1500	900	375	338	472	193	27,5	35,5	3,4	101
1676	6	1676	1006	419	389	536	222	34,9	42,9	5,7	158
1968	8	1968	1181	492	457	623	261	40,7	48,7	8,4	213
2416	10	2416	1450	604	543	731	310	45,0	53,0	14,4	252

L 102

20	2	2101	1261	525	473	668	270	23,1	31,1	2,3	80
40	4	2399	1439	600	532	743	304	30,0	38,0	4,1	164
60	6	2725	1635	681	609	841	348	38,0	46,0	7,4	242
80	8	3190	1914	798	714	974	408	44,0	52,0	12,6	305
100	10	3838	2303	960	861	1161	492	48,5	56,5	20,9	400

L 122

20	2	2605	1563	651	579	819	331	26,0	34,0	2,5	98
40	4	3002	1801	751	667	931	381	31,4	39,4	4,5	174
60	6	3425	2055	856	763	1053	436	38,4	46,4	9,0	249
80	8	4001	2401	1000	898	1225	513	44,2	52,2	17,0	318
100	10	4786	2872	1197	1071	1444	612	48,0	56,0	28,8	420

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)

CALCULATION OF WATER FLOW:

q_m = mass flow of water (kg / h)
P = output (W)
c_p = heat capacity of water
T_i = supply water temperature (° C)
T_r = return water temperature (° C)

Formula:

$$q_m = \frac{P}{c_p (T_i - T_r)} \quad (\text{kg/s})$$

$$q_m = \frac{P}{4186 (T_i - T_r)} \times 3600 \quad (\text{kg/h})$$

Example: Briza H38, L 122

Regime 75 / 65 / 20

Fan power 10VDC

Output power 5983 W

Calculation of water flow q_m

$$q_m = \frac{5983}{4186 (75 - 65)} \times 3600 = 514 \text{ kg/h}$$

Jaga Briza 12 H52 data

2 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dbA]	[dbA]	[W]	(m³/h)

L 052

20	2	1500	900	375	327	463	187	21,0	29,0	2,0	89
40	4	1750	1050	438	389	543	222	27,0	35,0	3,2	130
60	6	2110	1266	528	466	643	266	33,9	41,9	5,5	169
80	8	2400	1440	600	555	757	317	39,7	47,7	9,6	212
100	10	2717	1630	679	611	823	349	44,0	52,0	16,8	250

L 072

20	2	2465	1479	616	558	789	319	21,8	29,8	2,2	127
40	4	2930	1758	733	658	919	376	27,2	35,2	3,6	193
60	6	3500	2100	875	779	1075	445	34,6	42,6	5,7	262
80	8	4010	2406	1003	898	1225	513	40,8	48,8	9,6	320
100	10	4499	2699	1125	1010	1361	577	45,0	53,0	15,6	365

L 102

20	2	3895	2337	974	889	1257	508	24,0	32,0	2,8	168
40	4	4650	2790	1163	1040	1452	594	30,3	38,3	5,4	259
60	6	5550	3330	1388	1241	1713	709	37,7	45,7	10,0	353
80	8	6390	3834	1598	1440	1965	823	43,7	51,7	18,0	437
100	10	7172	4303	1793	1610	2171	920	48,0	56,0	28,8	513

L 122

20	2	4650	2790	1163	1097	1552	627	26,2	34,2	2,8	200
40	4	5800	3480	1450	1306	1824	746	32,0	40,0	5,5	297
60	6	6915	4149	1729	1558	2150	890	39,0	47,0	10,0	396
80	8	8000	4800	2000	1789	2440	1022	44,5	52,5	18,0	500
100	10	8953	5372	2238	2011	2711	1149	48,5	56,5	28,8	583

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)



Jaga Briza 12 H52 data

4 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dBa]	[dBa]	[W]	(m³/h)

L 052

20	2	640	384	160	250	354	143	21,0	29,0	1,6	30
40	4	726	436	182	296	413	169	27,0	35,0	2,2	74
60	6	829	497	207	355	490	203	33,9	41,9	3,6	118
80	8	970	582	243	406	554	232	39,7	47,7	6,3	151
100	10	1157	694	289	459	618	262	44,0	52,0	10,3	188

L 072

20	2	640	630	263	408	577	233	21,8	29,8	2,1	79
40	4	726	706	294	492	687	281	27,2	35,2	3,4	135
60	6	829	789	329	586	809	335	34,6	42,6	5,9	185
80	8	970	930	388	677	924	387	40,8	48,8	10,0	251
100	10	1157	1142	476	758	1022	433	45,0	53,0	15,6	282

L 102

20	2	1650	990	413	669	945	382	24,0	32,0	2,3	123
40	4	1892	1135	473	786	1098	449	30,3	38,3	4,2	201
60	6	2148	1289	537	936	1292	535	37,7	45,7	7,5	286
80	8	2504	1502	626	1076	1468	615	43,7	51,7	12,8	360
100	10	3023	1814	756	1208	1628	690	48,0	56,0	22,3	423

L 122

20	2	2002	1201	501	814	1151	465	26,2	34,2	2,7	139
40	4	2362	1417	591	980	1369	560	32,0	40,0	5,2	251
60	6	2700	1620	675	1169	1614	668	39,0	47,0	9,1	334
80	8	3152	1891	788	1260	1719	720	44,5	52,5	16,0	432
100	10	3769	2261	942	1346	1814	769	48,5	56,5	27,3	508

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)

CALCULATION OF WATER FLOW:

q_m = mass flow of water (kg / h)
P = output (W)
c_p = heat capacity of water
T_i = supply water temperature (° C)
T_r = return water temperature (° C)

Formula:

$$q_m = \frac{P}{c_p (T_i - T_r)} \quad (\text{kg/s})$$

$$q_m = \frac{P}{4186 (T_i - T_r)} \times 3600 \quad (\text{kg/h})$$

Example: Briza H38, L 122

Regime 75 / 65 / 20

Fan power 10VDC

Output power 5983 W

Calculation of water flow q_m

$$q_m = \frac{5983}{4186 (75 - 65)} \times 3600 = 514 \text{ kg/h}$$

Jaga Briza 12 H41 data

2 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dbA]	[dbA]	[W]	(m³/h)

L 075

20	2	904	542	226	201	285	115	18,5	26,5	1,6	64
40	4	1030	618	258	236	330	135	29,4	37,4	2,6	101
60	6	1200	720	300	275	379	157	31,3	39,3	4,3	141
80	8	1396	838	349	326	444	186	37,3	45,3	7,2	178
100	10	1670	1002	418	375	505	214	42,5	50,5	13,0	214

L 095

20	2	1545	927	386	334	473	191	24,0	32,0	2,5	108
40	4	1700	1020	425	382	533	218	30,0	38,0	4,3	172
60	6	1796	1078	449	441	609	252	36,8	44,8	7,2	223
80	8	2244	1346	561	522	711	298	41,5	49,5	11,5	287
100	10	2749	1649	687	616	831	352	44,5	52,5	18,0	346

L 125

20	2	2430	1458	608	550	777	314	24,6	32,6	2,6	146
40	4	2720	1632	680	606	846	346	30,2	38,2	4,8	221
60	6	3085	1851	771	695	959	397	37,0	45,0	8,0	289
80	8	3620	2172	905	814	1110	465	42,5	50,5	14,0	381
100	10	4366	2620	1092	978	1319	559	47,0	55,0	24,0	448

L 145

20	2	2999	1799	750	719	1017	411	25,7	33,7	2,8	173
40	4	3400	2040	850	789	1103	451	30,5	38,5	5,5	268
60	6	3896	2338	974	880	1215	503	37,3	45,3	10,3	373
80	8	4550	2730	1138	1024	1396	585	43,0	51,0	18,5	466
100	10	5444	3266	1361	1220	1644	697	47,0	55,0	28,8	510

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)



Jaga Briza 12 H41 data

4 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dBa]	[dBa]	[W]	(m³/h)

L 075

20	2	698	482	175	161	815	92	18,5	26,5	1,8	29
40	4	840	580	210	191	926	109	29,4	37,4	3,0	61
60	6	948	654	237	224	1043	128	31,3	39,3	4,8	86
80	8	1120	773	280	261	1168	149	37,3	45,3	8,0	116
100	10	1336	922	334	299	1290	171	42,5	50,5	13,7	143

L 095

20	2	1210	835	303	259	1312	148	24,0	32,0	2,0	52
40	4	1352	933	338	310	1503	177	30,0	38,0	3,4	92
60	6	1525	1052	381	357	1663	204	36,8	44,8	5,7	144
80	8	1800	1242	450	415	1857	237	41,5	49,5	8,4	194
100	10	2199	1517	550	494	2128	282	44,5	52,5	14,4	229

L 125

20	2	1924	1328	481	420	2127	240	24,6	32,6	2,3	73
40	4	2165	1494	541	483	2344	276	30,2	38,2	4,1	149
60	6	2467	1702	617	557	2592	318	37,0	45,0	7,4	220
80	8	2898	2000	725	651	2915	372	42,5	50,5	12,6	278
100	10	3492	2409	873	782	3372	447	47,0	55,0	20,9	346

L 145

20	2	2380	1642	595	509	2579	291	25,7	33,7	2,5	89
40	4	2723	1879	681	604	2930	345	30,5	38,5	4,5	158
60	6	3118	2151	780	700	3260	400	37,3	45,3	9,0	227
80	8	3642	2513	911	819	3667	468	43,0	51,0	17,0	289
100	10	4355	3005	1089	977	4210	558	47,0	55,0	28,8	382

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)

CALCULATION OF WATER FLOW:

q_m = mass flow of water (kg / h)
P = output (W)
c_p = heat capacity of water
T_i = supply water temperature (° C)
T_r = return water temperature (° C)

Formula:

$$q_m = \frac{P}{c_p (T_i - T_r)} \quad (\text{kg/s})$$

$$q_m = \frac{P}{4186 (T_i - T_r)} \times 3600 \quad (\text{kg/h})$$

Example: Briza H38, L 122

Regime 75 / 65 / 20

Fan power 10VDC

Output power 5983 W

Calculation of water flow q_m

$$q_m = \frac{5983}{4186 (75 - 65)} \times 3600 = 514 \text{ kg/h}$$

Jaga Briza 12 H55 data

2 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dbA]	[dbA]	[W]	(m³/h)

L 075

20	2	1400	840	350	296	418	169	19,2	27,2	2,0	81
40	4	1700	1020	425	376	526	215	25,2	33,2	3,2	118
60	6	2000	1200	500	446	616	255	32,2	40,2	5,5	154
80	8	2296	1378	574	522	711	298	38,1	46,1	9,6	193
100	10	2588	1553	647	581	783	332	42,5	50,5	16,8	228

L 095

20	2	2250	1350	563	516	730	295	23,0	31,0	2,2	116
40	4	2780	1668	695	627	875	358	27,8	35,8	3,6	176
60	6	3310	1986	828	746	1029	426	34,4	42,4	5,7	238
80	8	3815	2289	954	863	1177	493	39,9	47,9	9,6	291
100	10	4285	2571	1071	963	1298	550	43,5	51,5	15,6	332

L 125

20	2	3560	2136	890	830	1173	474	23,1	31,1	2,8	153
40	4	4423	2654	1106	998	1393	570	29,1	37,1	5,4	236
60	6	5276	3166	1319	1181	1631	675	36,5	44,5	10,0	321
80	8	6100	3660	1525	1372	1872	784	42,5	50,5	18,0	398
100	10	6830	4098	1708	1535	2069	877	46,5	54,5	28,8	467

L 145

20	2	4510	2706	1128	1033	1460	590	25,0	33,0	2,8	182
40	4	5520	3312	1380	1241	1733	709	30,8	38,8	5,5	270
60	6	6595	3957	1649	1477	2039	844	37,5	45,5	10,0	360
80	8	7610	4566	1903	1708	2330	976	42,8	50,8	18,0	455
100	10	8527	5116	2132	1916	2584	1095	46,5	54,5	28,8	531

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)



Jaga Briza 12 H55 data

4 - pipe

Speed level	Control voltage	Heating power °C			Cooling power °C 50% RH			Sound pressure level **	Sound power level *	Electrical power	Air flowrate
		75/65/20	55/45/20	35/30/20	7/12/27		16 / 18 / 27				
					Sensible	Total					
%	[V]	[W]	[W]	[W]	[W]	[W]	[W]	[dBa]	[dBa]	[W]	(m³/h)

L 075

20	2	610	366	153	242	341	138	19,2	27,2	1,6	27
40	4	696	418	174	284	396	162	25,2	33,2	2,2	67
60	6	778	467	195	340	469	194	32,2	40,2	3,6	107
80	8	923	554	231	390	532	223	38,1	46,1	6,3	137
100	10	1102	661	276	436	587	249	42,5	50,5	10,3	171

L 095

20	2	1000	600	250	394	557	225	23,0	31,0	2,1	72
40	4	1115	669	279	471	658	269	27,8	35,8	3,4	123
60	6	1250	750	313	555	766	317	34,4	42,4	5,9	168
80	8	1480	888	370	642	876	367	39,9	47,9	10,0	228
100	10	1813	1088	453	721	972	412	43,5	51,5	15,6	257

L 125

20	2	1570	942	393	614	869	351	23,1	31,1	2,3	112
40	4	1798	1079	450	746	1041	426	29,1	37,1	4,2	183
60	6	2040	1224	510	891	1230	509	36,5	44,5	7,5	260
80	8	2399	1439	600	1031	1406	589	42,5	50,5	12,8	328
100	10	2879	1727	720	1152	1552	658	46,5	54,5	22,3	385

L 145

20	2	1979	1187	495	800	1131	457	25,0	33,0	2,7	126
40	4	2248	1349	562	933	1303	533	30,8	38,8	5,2	228
60	6	2560	1536	640	1110	1531	634	37,5	45,5	9,1	304
80	8	2999	1799	750	1279	1745	731	42,8	50,8	16,0	393
100	10	3590	2154	898	1437	1937	821	46,5	54,5	27,3	462

*Sound power according to ISO 3741:2010

**Sound pressure with an assumed room damping of 8dB(A)

CALCULATION OF WATER FLOW:

q_m = mass flow of water (kg / h)
P = output (W)
c_p = heat capacity of water
T_i = supply water temperature (° C)
T_r = return water temperature (° C)

Formula:

$$q_m = \frac{P}{c_p (T_i - T_r)} \quad (\text{kg/s})$$

$$q_m = \frac{P}{4186 (T_i - T_r)} \times 3600 \quad (\text{kg/h})$$

Example: Briza H38, L 122

Regime 75 / 65 / 20

Fan power 10VDC

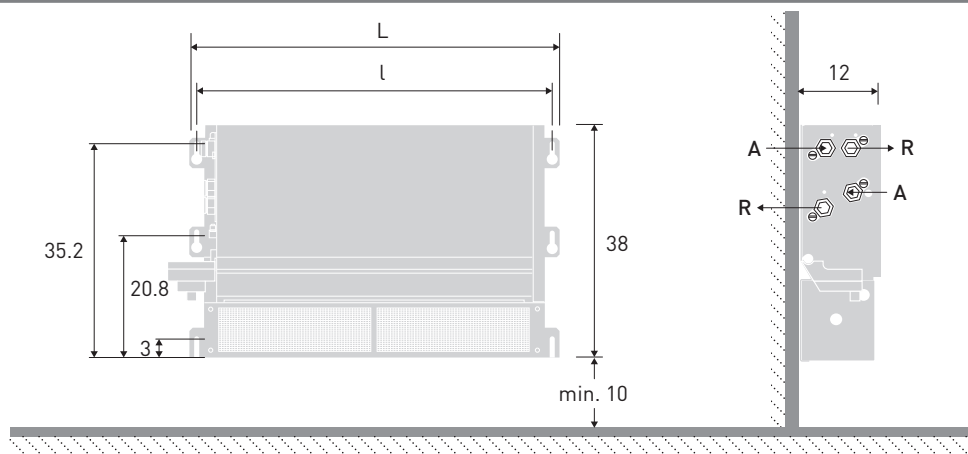
Output power 5983 W

Calculation of water flow q_m

$$q_m = \frac{5983}{4186 (75 - 65)} \times 3600 = 514 \text{ kg/h}$$

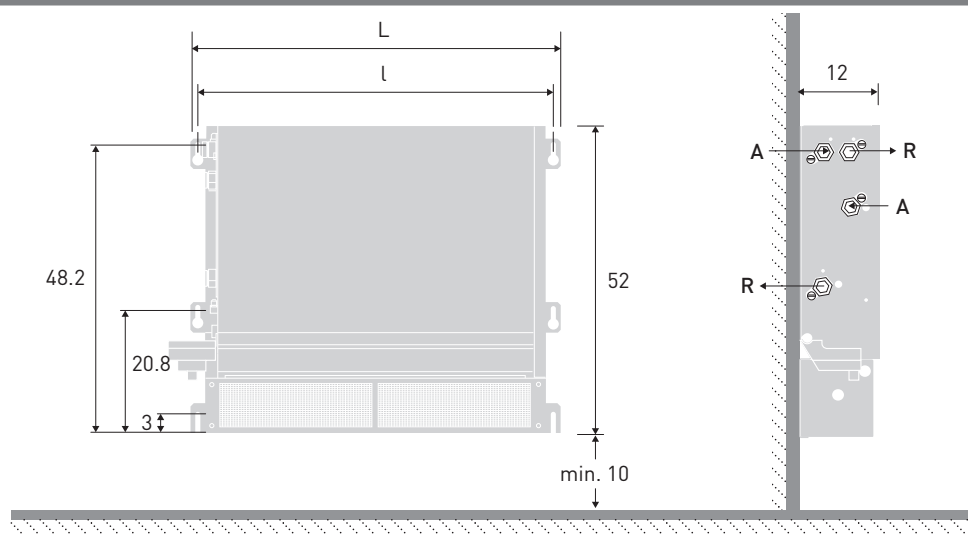
Briza 038 Built-In Wall / Ceiling: dimensions (cm)

Briza 038



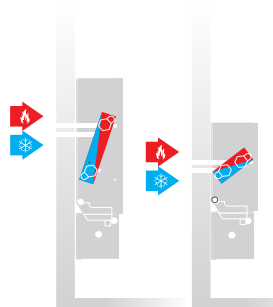
Briza 052 Built-In Wall / Ceiling: dimensions (cm)

Briza 052



L >		52	72	102	122
L	cm	50.5	70.5	100.5	120.5
l	cm	48	68	98	118

Standaard heat exchanger (2-pipesystem)



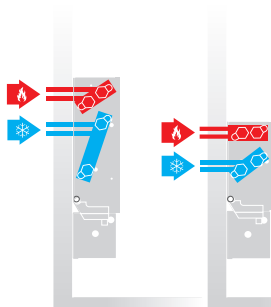
Two-pipe system:

- a two-pipe fan coil system consists of fan coil units with single coils, which are connected to two pipes (one supply pipe and one return pipe) that either provide hot water or chilled water throughout the building. A building with a two-pipe system is either entirely in a **heating mode** or entirely in a **cooling mode**. It is not possible to cool some rooms while heating others.

Connection:

- 1 valve set

Additional heat-exchanger (4-pipe system)



Four Pipe Systems:

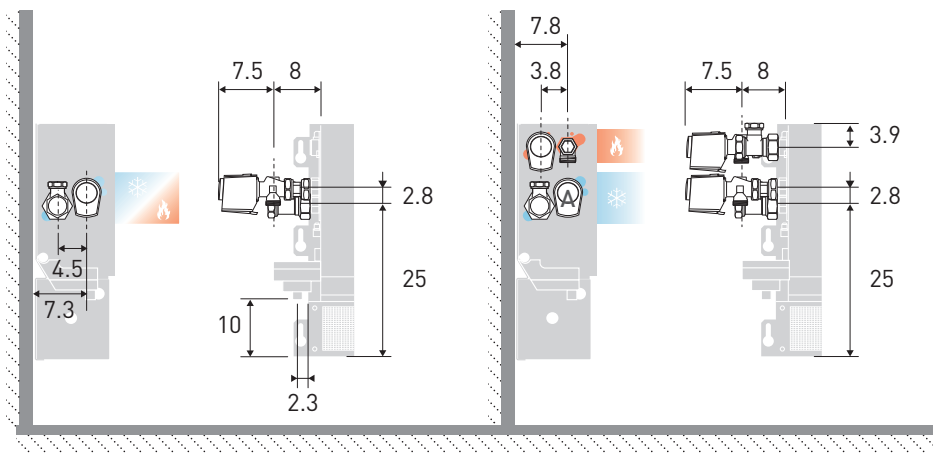
- a four pipe system has fan coil units with separate heating and cooling coils, as well as separate pairs of **heating** and **cooling** pipes. Hot water or chilled water is always available. The system is able to instantly switch from the **heating mode** to the **cooling mode**, or vice versa, and can provide heating to some rooms while simultaneously providing cooling to other rooms. It is very flexible.

Connection:

- 2 valve sets

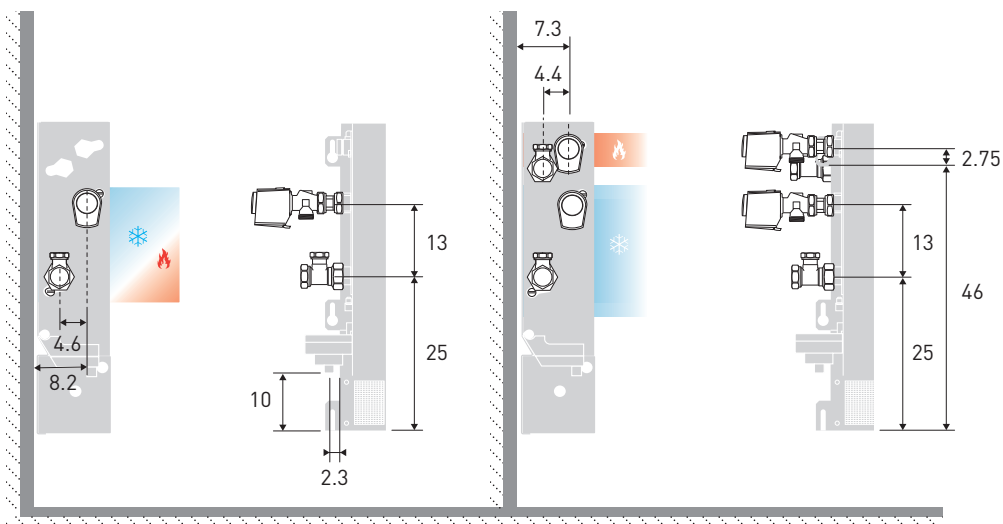
Briza 038 Built-In Wall / Ceiling: dimensions connections (cm)

Briza 038



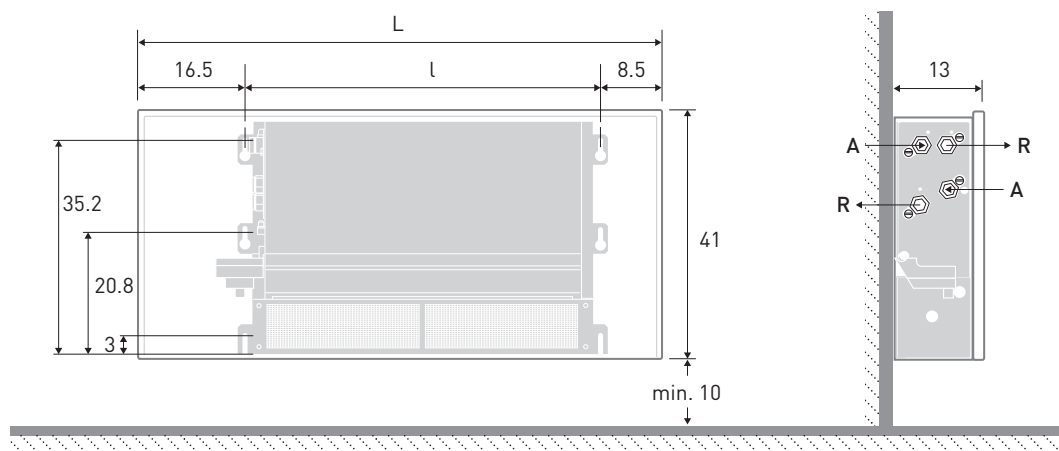
Briza 052 Built-In Wall / Ceiling: dimensions connections (cm)

Briza 052

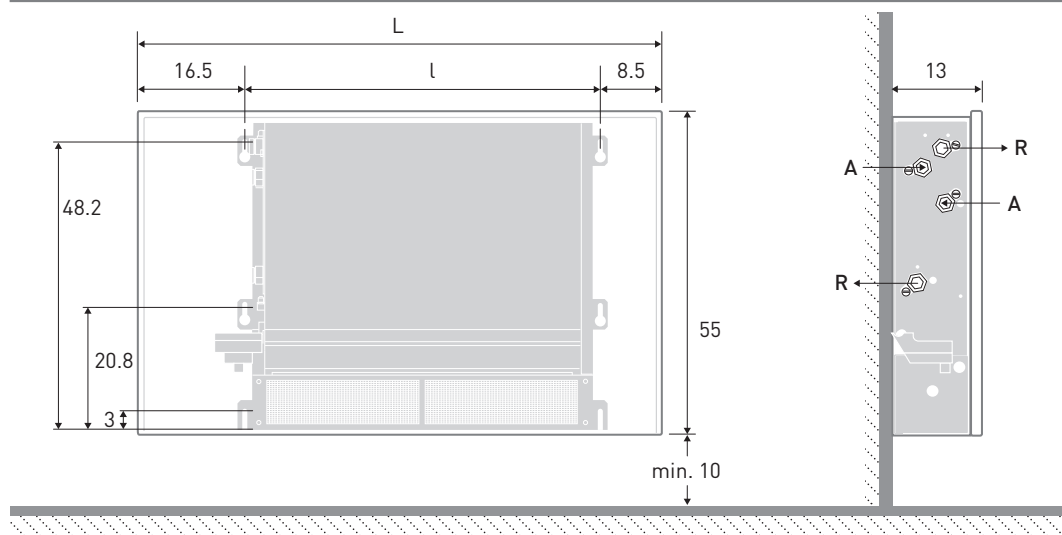


Wall / Ceiling with casing: dimensions (cm)

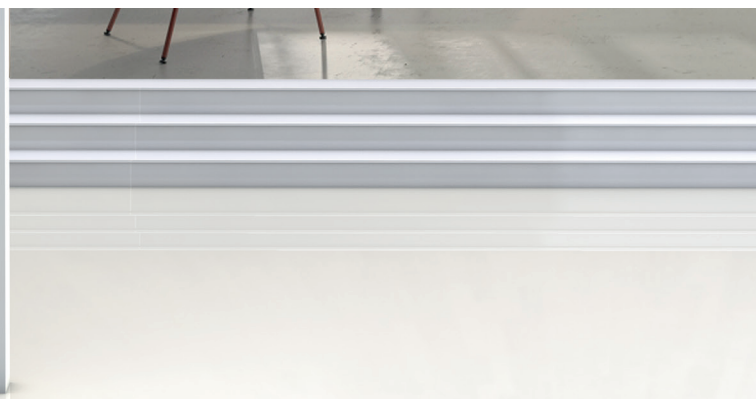
Briza 041



Briza 055

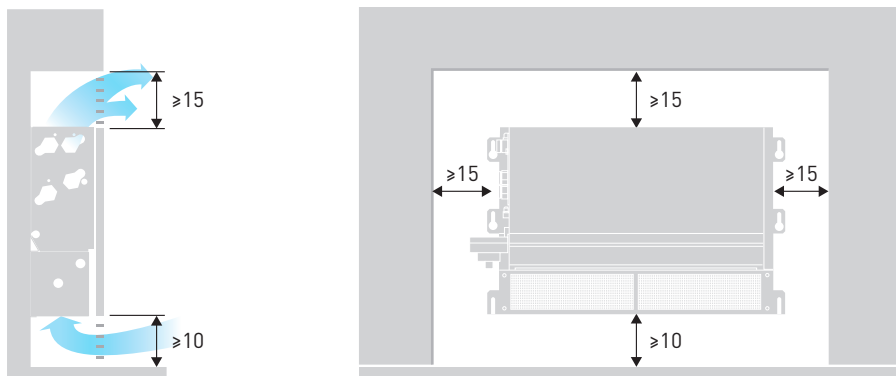


L >		75	95	125	145
L	cm	75	95	125	145
l	cm	48	68	98	118

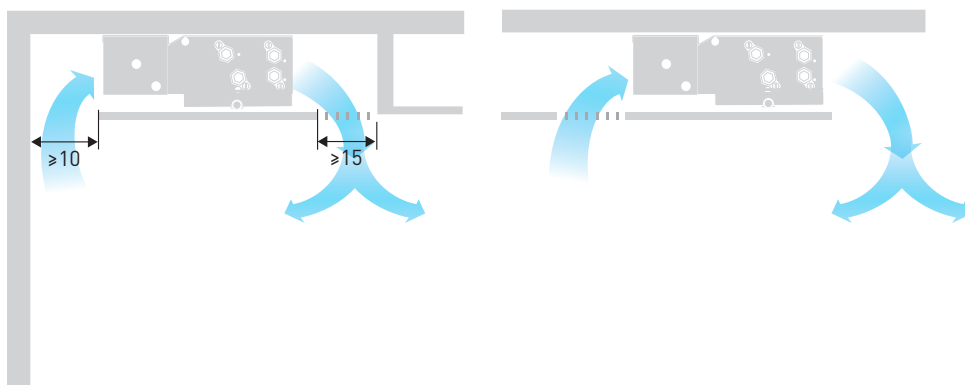


Installation examples

Wall recessed



Ceiling recessed



Options:

	P.
• condensate drain pan (for recessed ceiling mounting)	23
• (micro float) condensation level sensor	23
• 90 ° air outlet corner piece for wall and ceiling installation	24
• adjustable aluminum wall grille	25
• valve sets	26
• clamp couplings	26
• connection set with 2 lockshields m24 m24 90°	26
• power supply 24 VDC: 36, 60 or 62 Watt. input volt. 100 - 240 VAC	27
• Jaga Dynamic Product Controller (JDPC)	28
• roomthermostat JRT 100 heating / cooling	29
• roomthermostat JRT 200 heating / cooling	29
• roomthermostat RDG 160T heating / cooling	30
• built-in thermostat	30

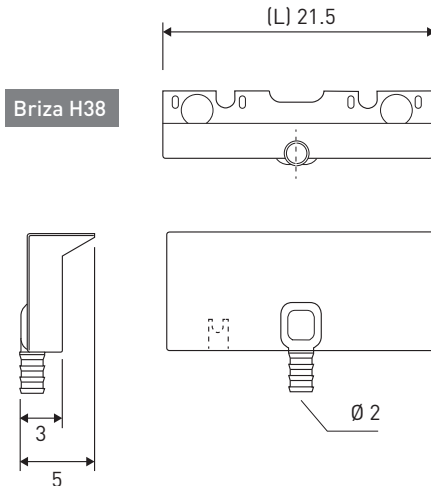


OPTION

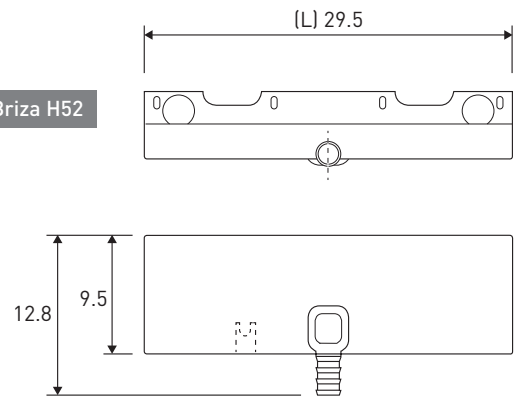
OPTION: condensate drain pan (for recessed ceiling mounting)

- the optional condensation collection pan can only be used for ceiling mounting. In other applications, or when not using the optional condensation collection pan on cooling, certainly isolate the supply and discharge conduits and valves against condensation.

Briza H38



Briza H52



Briza H38 condensation collection pan

L 21.5 cm

CODE 5127.00010001

Briza H52 condensation collection pan

L 29.5 cm

CODE 5127.00010002

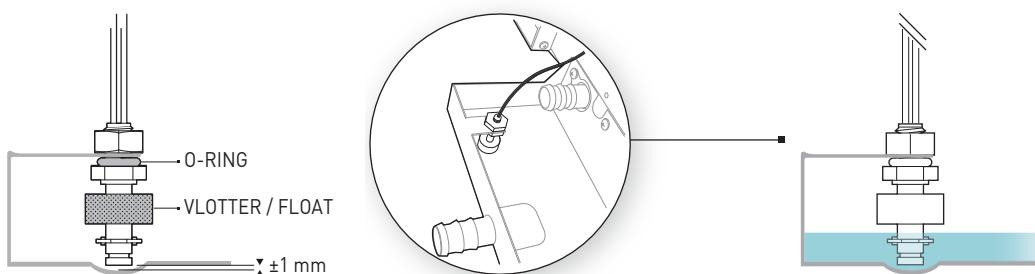
OPTION

condensate level sensor for condensation collection pan

The micro float switches have 10 watt switching capabilities, 100 VDC max switching voltage, 90°C maximum temperature, and specific gravity .09.

The fluid switch has two parts: a stem and a float. The stem is attached to the condensation collection pan. The float is a doughnut shaped object placed around the stem that rises and falls with the level of the liquid. When the level of the float aligns with the level of the reed switch inside the stem, it magnetically actuates the reed switch, sending an electrical signal to:

- a room thermostat
- domotica
- valve
- alarm system



CALUS
E316052

- made from white polypropylene with silicon O-ring
- normally closed (NC)
- max contact rating 10W
- max contact voltage 100VDC
- max switching current 0.5A
- max temperature 80°C
- max temperature 80°C

BRIZA EC 12 H38 / H52

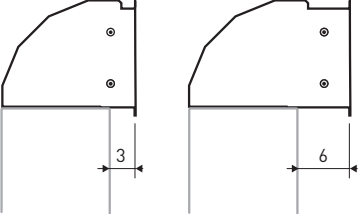
OPTION: condensate level sensor for condensation collection pan

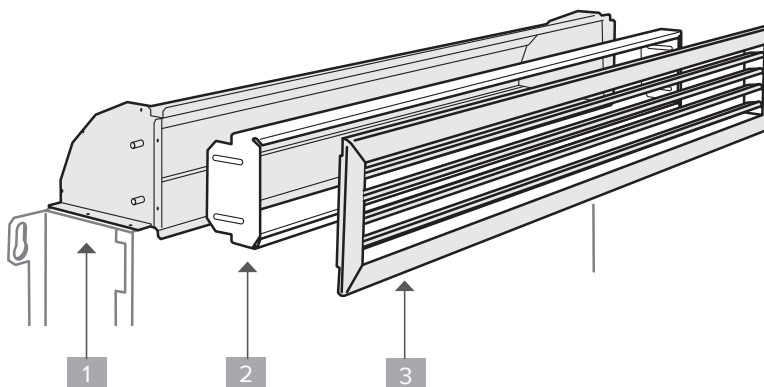
CODE 5127.00010003

90° air outlet for wall- and recessed ceiling mounting

Composition

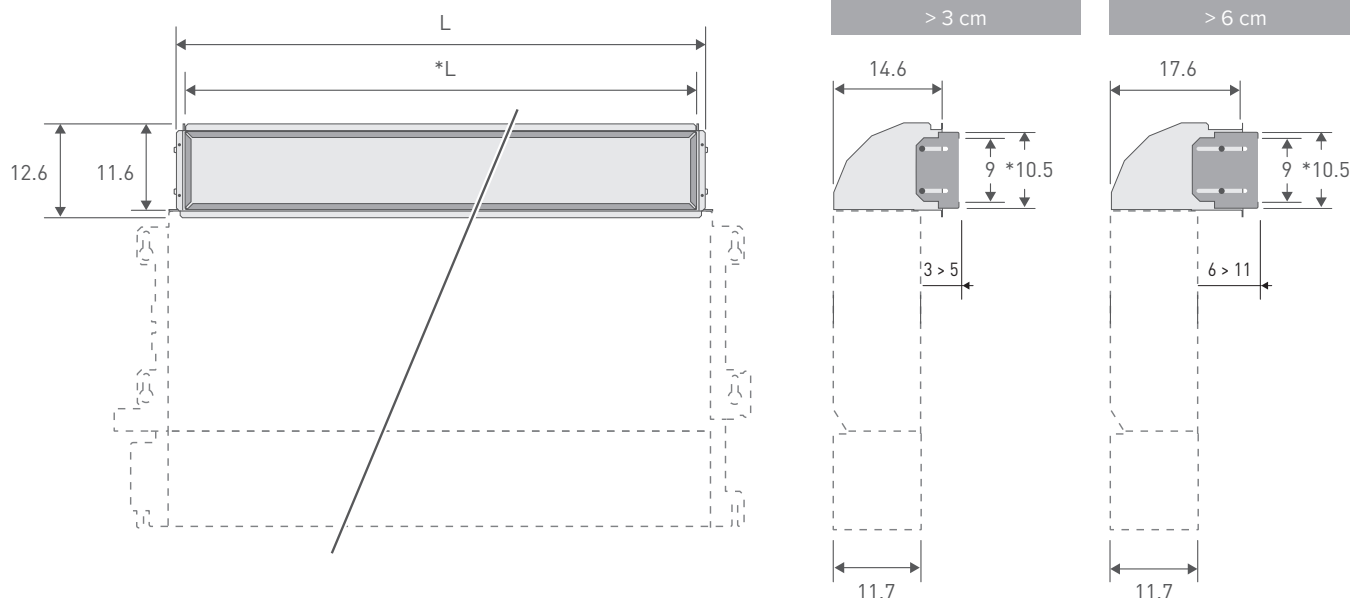
Air outlet 90C

	1
Telescopic adjustable air outlet >3 of >6 cm	2
Option: adjustable aluminum wall grille	3



- 90° air outlet for optimum air conduction
 - Briza Height 038 and 052
 - 4 lengths
 - in electrolytic galvanized steel sheet
 - with a rubber strip for seamless attachment
 - with perforations for attachment
 - with perforations for mounting the outlet grille
- The device must be accessible at all times for maintenance

Dimensions 90° air outlet



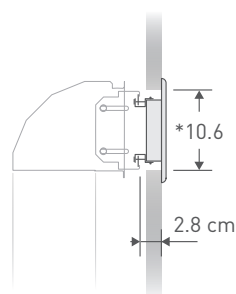
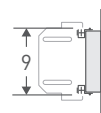
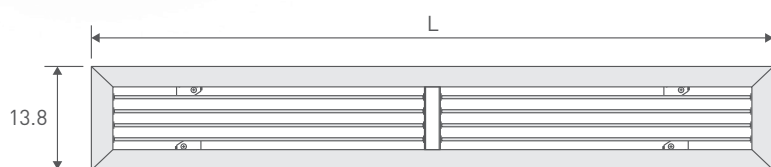
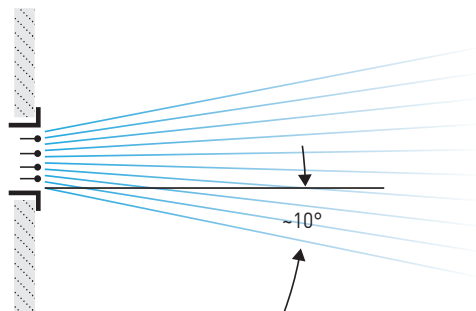
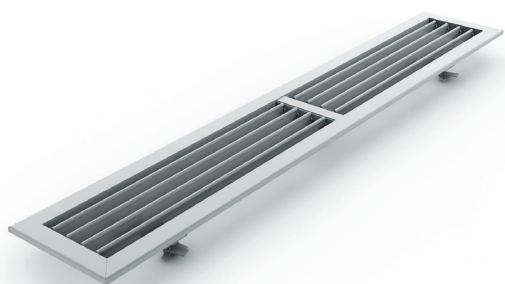
* Minimum dimensions opening air outlet (without optional exhaust grille)

> 3 cm				
Code	5927.00005201	5927.00007201	5927.00010201	5927.00012201
> 6 cm				
Code	5927.00005202	5927.00007202	5927.00010202	5927.00012202
L	41	61	91	111
*L	37	57	87	107

OPTION

Adjustable aluminum wall grille

- natural coloured anodised aluminum



* Minimum dimensions of recess for mounting the exhaust grill

Code		5627.00010001	5627.00010002	5627.00010003	5627.00010004
L	cm	40.2	60.2	90.2	110.2
*L		37	57	87	107
X		7.5		15	

set
95

Connection set 24 VDC



TWO PIPE
Kv max. 0.6

- 24 VDC, 24 VDC 0-10V or 230 VAC thermoelectric drive
- valve Eurocone 3/4" x M24 90°
- lockshield Eurocone 3/4" x M24 180°
- sleeve couplings included in the price of the connection

CODE	
CODY.SC5.24.3...	24 VDC
CODY.SC5.23.3...	230 VAC
CODY.SC5.10.3...	0...10 VDC

sleeve couplings

set
90

Connection set with 2 lockshields M24 180°



- 2 lockshield Eurocone 3/4" x M24 180°
- sleeve couplings included in the price of the connection

CODE	
CODY.LOC.00.3 ...	

sleeve couplings

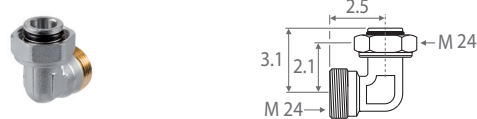
Jaga two-way valve and thermoelectric drive 230V



- only for mounting on the distributor, not in the Briza!
- with varistor to protect against power surge
- with position indicator (open/closed)
- sleeve couplings have to be provided by the installer

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

Corner piece 90° M24 x M24



- bend for connection to the wall.

CODE	
5095.020	nickel plated

Sleeve couplings M24

Precision metal tube

CODE	Tube Ø
110	10/1
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

RPE/ALU tube

CODE	Tube Ø
314	14/2
316	16/2
326	16/2.2
318	18/2

Synthetic tube

CODE	Tube Ø
212	12/2
214	14/2
219	16/1.5
216	16/2
217	17/2
218	18/2

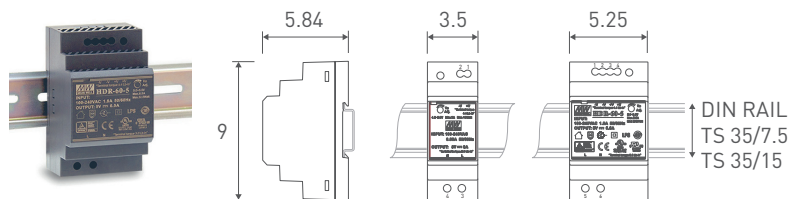
Steel tube for C.H.

CODE	Tube Ø
501	M24 x 1/2"
503	M24 x 3/8"

- surcharge

24 VAC power supply: Required power = sum of the power consumption of the equipments

- DIN-rail TS-35 / 7.5 or 15 mountable
- conform UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator



! The warranty is only valid when using the original Jaga power supply.

Pre-assembled power supply: /Add P to the Briza code.

- with watertight connection swivel
- conform UL1310 - EN 60950-1 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

Pin nr:	Connection
1	AC/L
2	AC/N
3/4	-V
5/6	+V

Technical data	CODE	7990.054	7990.055	7990.056
Rated power	Watt	36	60	92
Output voltage	VDC	24 (21.6 ~ 29)	24 (21.6 ~ 29)	24 (21.6 ~ 29)
Nominal current	A	1.5	2.5	3.38
Input voltage	VAC	85 ~ 264	85 ~ 264	85 ~ 264
	VDC	120 ~ 370	120 ~ 370	120 ~ 370
Overload protection	%	105 ~ 160	105 ~ 160	102 ~ 110
LED		power on	power on	power on
Operating temperature	°C	-30 ~ +70	-30 ~ +70	-30 ~ +70
Operating altitude	meters	2000	2000	2000

Max. voltage drop 5% max. cable length according to the number of devices										
Max. cable length in meter:	10	20	30	40	50	60	70	80	90	100
Ø cable	L 052 / 075 (15W), number of Briza's									
1 mm ²	5	2			1					
1.5 mm ²	8	4			2			1		
2.5 mm ²	13	6	4	3			2			1
Ø cable	L 072 / 095 (18W), number of Briza's									
1 mm ²	4	2		1						
1.5 mm ²	6	3		2		1				
2.5 mm ²	11	5	3			2				1
Ø cable	L 102 / 125 (25W), number of Briza's									
1 mm ²	3		1							
1.5 mm ²	5		2		1					
2.5 mm ²	9	4			2			1		
Ø cable	L 122 / 145 (26W), number of Briza's									
1 mm ²	3		1							
1.5 mm ²	4		2		1					
2.5 mm ²	8	4			2			1		

Jaga Dynamic Product Controller (JDPC)



control panel

Controller

Multifunction controller for Dynamic devices, for Heating and Cooling, equipped with one or more built-in fans. The Jaga Dynamic Product Controller is supplied pre-set and mounted in the device.

With control panel:

- indication of operating mode by means of LEDs
- for 2-pipe model with casing
- control with control panel, and sensors for water and room temperature, preset and internally mounted. Mounted at the factory.
- voedingsspanning 24 VDC
- Heating / Cooling / standby, met automatische omschakeling

Control panel:

- **standby**
- **Heating**: 3 speed (start at water $t^{\circ} > 28^{\circ}\text{C}$, (can be easily adjusted))
- **Cooling**: 3 speed (start bij water $t^{\circ} < 18^{\circ}\text{C}$, (can be easily adjusted))

0-10 V entrance for building management system / thermostats (contact Jaga for more info)

Heating:

CODE DPC.BRC4

Heating en Cooling:

CODE: DPC.BRC6

- control per device
- automatic changeover Heating / Cooling

Without control panel:

- for 2-pipe model with casing
- sensors for water and room temperature, preset and internally mounted. Mounted at the factory.
- power supply 24 VDC
- **Heating / Cooling / standby**, with automatic changeover:

- 1 fan speed **Heating** (start at water $t^{\circ} > 28^{\circ}\text{C}$, (can be easily adjusted))
- 1 fan speed **Cooling** (start bij water $t^{\circ} < 18^{\circ}\text{C}$, (can be easily adjusted))

0-10 V entrance for building management system / thermostats (contact Jaga for more info)

Heating en Cooling:

CODE DPC.BRC3

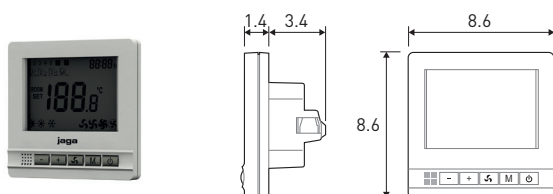
Recommended combinations for Briza

	Heating and/or cooling		
Thermostat	Includes thermostat for readjustment	Includes built-in thermostat for readjustment	Excluding thermostat
Controller	Thermostat Heating/Cooling : • order code 8751.050009	Built-in and pre-wired thermostat: • option /T	Pre-assembled JDPC with control panel: • Heating : DPC.BRC4 • Heating and Cooling : DPC.BRC6
Power supply	Pre mounted power supply • option /P	includes power supply	Pre mounted power supply • option /P
Connection set	Connection set 95: • with 24 VDC 0-10V motor • bestelcode: CODY.SC5.10.3... (fill in code sleeve couplings)	Connection set inclusive (apply sleeve couplings separately)	Connection set 90: • with 2 lockshield • order code CODY.LOC.00.3... (fill in code sleeve couplings)

Heating

Thermostat	Radiator version with thermostatic head
Controller	Optional thermostat head/RAD • contact Jaga for more info: 011-29 41 12 or info@jaga.be
Power supply	Includes pre-assembled power supply
Connection set	Includes pre-assembled connection set • apply sleeve couplings separately

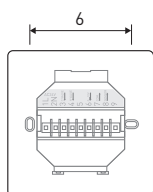
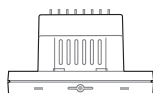
Jaga Roomthermostat H/C JRT-100



CODE

8751.050012

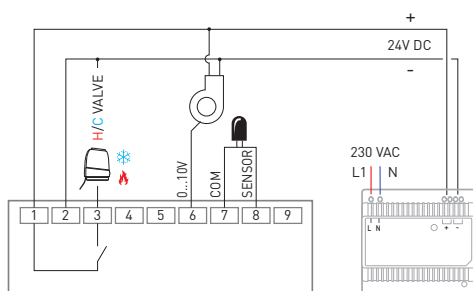
Optional external room temperature sensor. Code: 24800.00053032



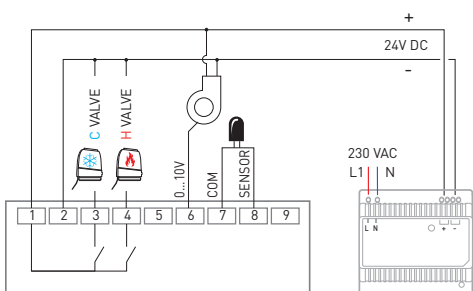
- for 2- and 4-pipe fan coil units
 - (4-pipe) heat - cooling mode / auto switching heating - cooling
 - (2-pipe) heat - cooling mode
- ventilator speed: min/med/max or auto
- thermostat to be mounted in a junction box
 - spacing holes at 6 cm
 - minimum depth 4.5 cm
 - inner dimension 5 x 5 cm or Ø 6 cm
- 3 programmable zones: 5+1+1
- control outputs 0..10 V DC
- controls valves with 24V AC / DC thermoelectric engine

Wiring diagram

2-Pipe



4-Pipe

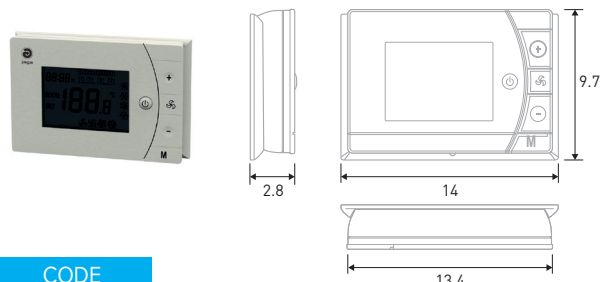


H/C Heating / Cooling

H Heating

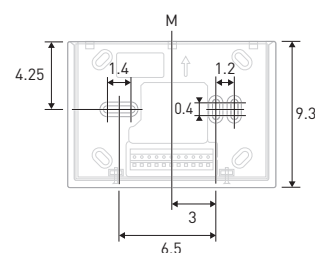
C Cooling

Jaga Roomthermostat H/C JRT-200



CODE

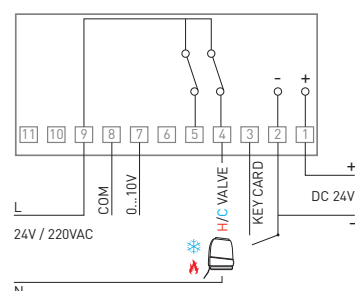
8751.050013



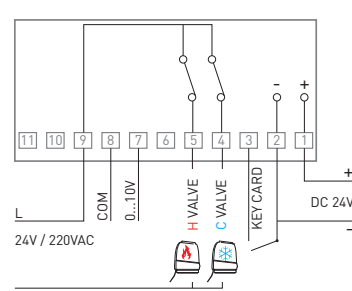
- for 2- and 4-pipe fan coil units
 - (4-pipe) heat - cooling mode / auto switching heating - cooling
 - (2-pipe) heat - cooling mode
- power supply 24 VDC
- 1 clock thermostat per room
- ventilator speed: min/med/max or auto
- can be mounted on a junction box, or direct to the wall
- with key card contact / window contact
- 3 programmable zones: 5+1+1
- control outputs 0..10 V DC
- controls valves with 24V AC / DC thermoelectric engine

Wiring diagram

2-Pipe



4-Pipe



GND N

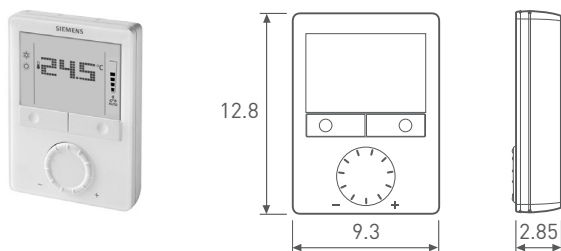


For: Briza / Clima Canal / Quatro Canal...



Optional external room temperature sensor (JRT-100)

Roomthermostat 0..10VDC Heating & Cooling



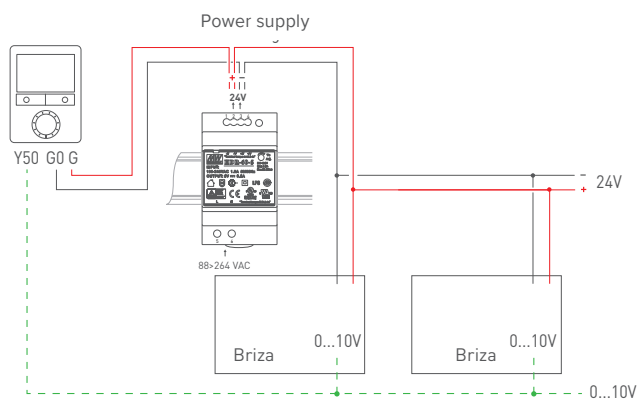
CODE

8751.050009

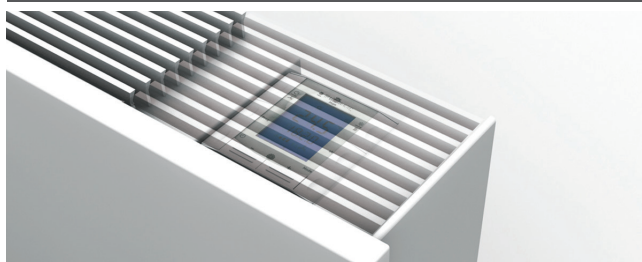
- 1 RDG 160T thermostat per room
- thermostat Heating / Cooling
- automatic or manually exchange Heating / Cooling
- 24 VDC power supply
- control outputs 0..10 V DC
- 0..10V DC valve control
- fully modulating fan speed automatic or manual in three steps (3V - 6V - 8V)
- 3 programmable time zones (5 + 1 + 1): weekdays (1-5), Saturday (6) and Sunday (7)
- unlimited customization options: 74 functions and diagnostic test

Specifications

Dimensions	Height	12.8 cm
	Width	9.3 cm
	Depth	2.9 cm
Temperature scale		Fahrenheit / Celsius
Measuring range		0..49°C
Program Modus	Comfort	21°C (5..40°C)
	Economy	15°C/30°C (OUT, 5..40°C)
	Safety	8°C/OUT (OUT, 5..40°C)
Fan speed	Auto	0..10V
	Manual	3 positions (3V - 6V - 8V)
OUT		20 mA
Voltage		external power supply 24VAC/DC
Energy consumption		max. 2VA



Briza with thermostat built-in



CODE

/ T add to Briza Code

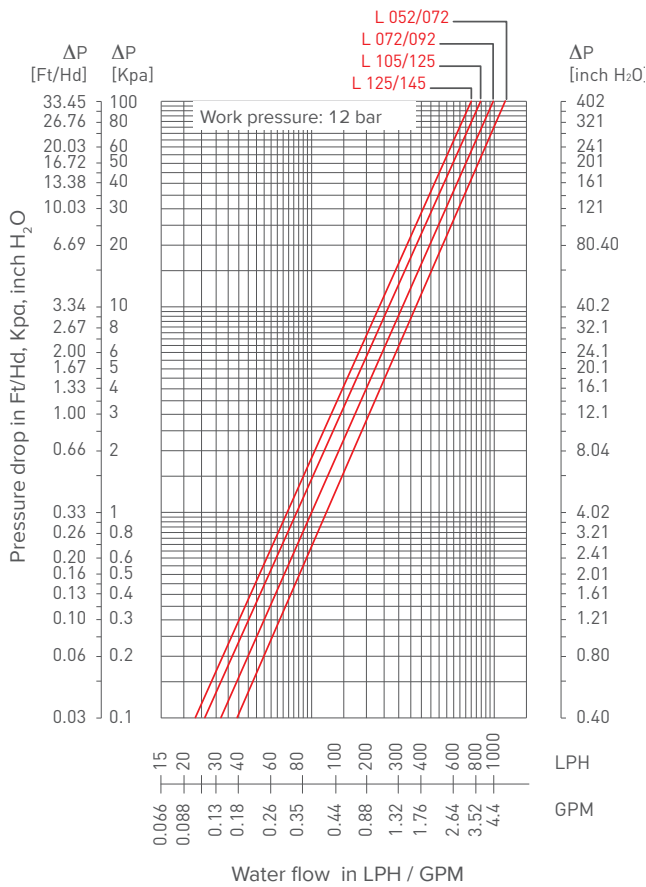
- Heating / Cooling 3 speed - 230 V
- including fully mounted two-way valve 230V
- pre-assembled power supply 230 VAC to 24 VDC for the fan
- only for 2-pipe or 4-pipe wall model with casing
- LCD display with backlit
- programmable 8 day parts
- automatic or manually exchange Heating / Cooling
- on / off of 3-positie control outputs
- Fan speed: min. / med. / max. or auto
- Briza automatically switches on the fans via a temperature sensor:
- Heating from 28°C
- Cooling below 18°C
- operational modes: comfort, energy saving and frost protection.

Installation

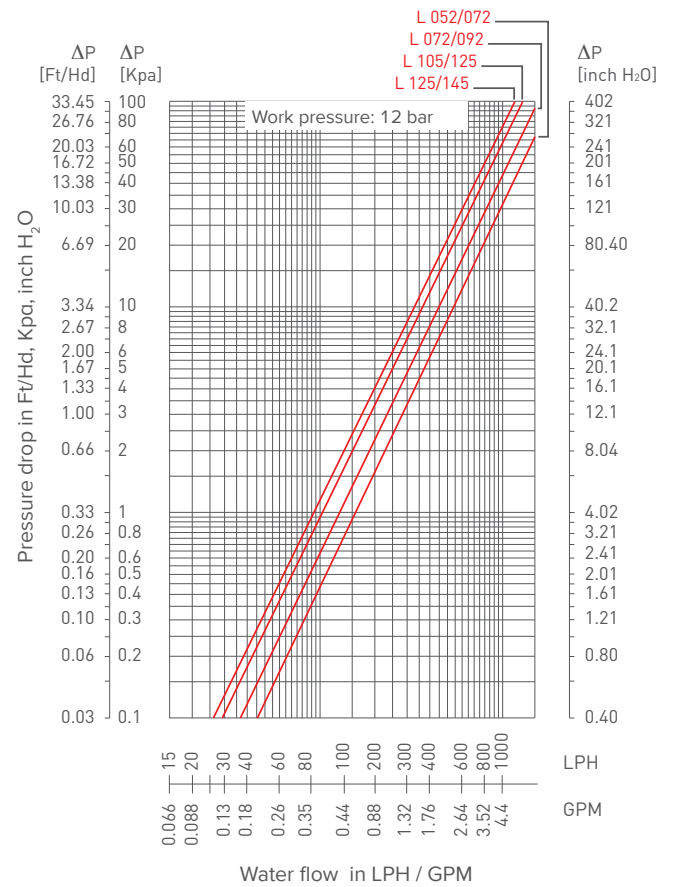
Important: Electrical connections

- the warranty is only valid when using the original Jaga power supply
- Jaga Briza EC are air-conditioning appliances intended for use and installation in domestic or similar environments. Do not install or use the device in high humidity, such as wet rooms.
- the electrical connection of the appliance must be carried out by qualified personnel, in accordance with the regulations in force in the country where the appliance is installed
- non-compliant electrical connections relieve Jaga from liability with regard to damage to objects and persons

Pressure lost heat exchanger 1



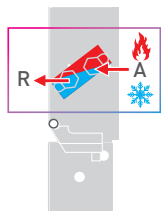
Pressure lost heat exchanger 2



Briza 041

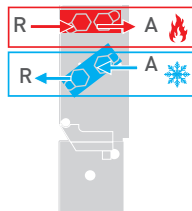
2-pipe

Heat exchanger 2



4-pipe

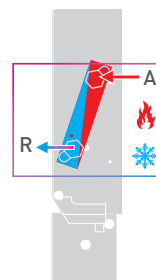
Heat exchanger 2



Briza 055

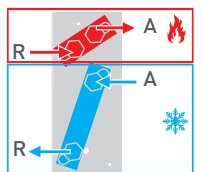
2-pipe

Heat exchanger 1



4-pipe

Heat exchanger 2 →



Heat exchanger 1 →

Briza 041/055 wall or ceiling with casing

VERSIONS:

- Briza 041
 - with casing
 - frame
 - height 41 cm
 - wand mounted (BZMW) or ceiling mounted (BZMC)
 - 2 pipe or 4 pipe
- Briza 055
 - with casing
 - frame
 - height 55 cm
 - wand mounted (BZMW) or ceiling mounted (BZMC)
 - 2 pipe or 4 pipe

Product description:

Pre-mounted air conditioning unit, for mounting against wall or ceiling.

- versions: 2 pipe or 4 pipe system
 - 2 pipe: 1 heat exchanger for **Heating** or **Cooling**
 - 4 pipe: the standard heat exchanger for **Cooling** and an additional heat exchanger for **Heating**
- **Heating**: standard equipped for connection to conventional heating systems
- **Cooling**: standard equipped for connection to chilled water-system
- **Ventilation**: connection to a mechanical ventilation system

Composition:

Frame:

Consisting of 19 gauge galvanised steel sheet

- the unit is equipped with a condensation collecting tray and drain.
- the wall version is standard equipped with a collection tray for condensation and drainage. An optional collection pan for condensation and drainage is available for the ceiling version. Connect the drain to a frequently used drainpipe with a P-trap.
- insulation to avoid the formation of condensation and to reduce noise

Dynamic Heat Exchanger :

Round, seamless circular pipes in pure copper, connected to pure aluminium fins (fin spacing 2.2 mm), included a brass connector and air venting (Fin spacing 2.2 mm)

- pressure test: 26 bar
- operating pressure: max 20 bar
- coil connection 3/4"
- standard connection left, right hand connection only on demand

EC Fan:

Low-noise tangential fans with aluminium fins, inserted in EPDM vibration-reduction, with ball bearing support.

- programmable 24 VDC EC motor with 0...10 V stepless control and stainless steel filter
- extreme low power consumption (max. 24 Watt)
- noise reduction: resin-coated winding in EPDM vibration damping

Electrical Connection

Standard on the RHS

Casing:

- front : electrolytic, galvanized steel plate of 1.25 mm thick.
- side panels: galvanized steel plate of 1.25 mm thick.
- the casing is lacquered in the colour white (RAL 9010) / traffic white (RAL 9016) / sandblast grey metallic 001 / other colour structured finish at extra charge.
- aluminium top grille coated in the same colour as the casing.
- coating: a scratch resistant epoxy-polyester powder, sprayed electrostatically and baked at a temperature of 200°C. UV resistant due to ASTM G53.
- the surface temperature remains safe at all times, even at a water temperature of 90°C.

Options :

Jaga Fancoil Controller JFCC

- on - off control, for use with 0 ... 10V building management systems

Power supply:

- 24 VDC 31W
- 24 VDC 60W
- 24 VDC 92

Thermostats:

- RDG 160T, room thermostat 0..10VDC Heating & Cooling
- JRT 100 Jaga room thermostat Heating & Cooling build-in
- JRT 200 Jaga room thermostat Heating & Cooling built-up

Valves:

- Jaga 2-way thermoelectric motor 230V, only for mounting on the distributor, not in the Briza!
- bend 90° M24 x M24 for connection to the wall.
- Valve set 95: connection set 24 VDC, 3- pipe, kv max. 0.6:
 - 24 VDC, 24 VDC 0-10V or 230 VAC thermoelectric motor
 - valve Eurocone 3/4" x M24 90°
 - lock-shield Eurocone 3/4" x M24 180°
- Valve set 90: connection set 2 lock-shields M24 180°:
 - 2 lock-shield Eurocone 3/4" x M24 180°

Condensation collecting tray Briza H52 for recessed ceiling:

- condensation collecting tray Briza H52
- condensation collecting tray Briza H38

Terms of Use:

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. (summer and winter, airco). The unit is only to be installed in domestic or similar environments. The device is not intended for installation or use in high humidity, eg wash-rooms.

Operating limits:

- Supply water temperature: 3 > 90°C
- Maximum pressure heat exchanger: ... bar
- Supply Voltage: 230 V ± 10 %
- Max counter-pressure: 30 Pa ESP

Execution of the installation:

The installer calculate all the heating and cooling requirements:

- 2-pipe version: heating or cooling by means of one water-side standard heat exchanger single water-side circuit for cooled or hot water.
- 4-pipe version: heating and cooling by means of a standard heat exchanger and an additional heat exchanger, via 2 separate water-side circuits for cooling water and hot water.

Note: in cooling mode the water inlet and outlet pipes and valves must be insulated against condensation.

Minimum installation height

- the minimum distance between the bottom of the Briza and the floor is at least 10cm
- top discharge of the unit is 15 cm

Manufacturer: JagaN.V.

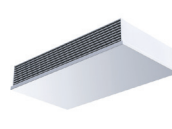
Types:

Briza 038 with casing: Wall & Ceiling

Briza 052 with casing: Wall & Ceiling



BZMW 41 / 55



BZMC 41 / 55

Briza 038/052 built-in wall or ceiling

VERSIONS:

- Briza 041
 - with casing
 - frame
 - height 41 cm
 - wand mounted (BZMW) or ceiling mounted (BZMC)
 - 2 pipe or 4 pipe
- Briza 055
 - with casing
 - frame
 - height 55 cm
 - wand mounted (BZMW) or ceiling mounted (BZMC)
 - 2 pipe or 4 pipe

Product description:

Pre-mounted air conditioning unit, for mounting against wall or ceiling.

- versions: 2 pipe or 4 pipe system
 - 2 pipe: 1 heat exchanger for **Heating** or **Cooling**
 - 4 pipe: the standard heat exchanger for **Cooling** and a additional heat exchanger for **Heating**
- **Heating**: standard equipped for connection to conventional heating systems
- **Cooling**: standard equipped for connection to chilled water-system
- **Ventilation**: connection to a mechanical ventilation system

Composition:

Frame:

Consisting of 19 gauge galvanised steel sheet

- the unit is equipped with a condensation collecting tray and drain.
- the wall version is standard equipped with a collection tray for condensation and drainage. An optional collection pan for condensation and drainage is available for the ceiling version. Connect the drain to a frequently used drainpipe with a P-trap.
- insulation to avoid the formation of condensation and to reduce noise

Dynamic Heat Exchanger :

Round, seamless circular pipes in pure copper, connected to pure aluminium fins (fin spacing 2.2 mm), included a brass connector and air venting (Fin spacing 2.2 mm)

- pressure test: 26 bar
- operating pressure: max 20 bar
- coil connection 3/4"
- standard connection left, right hand connection only on demand

EC Fan:

Low-noise tangential fans with aluminium fins, inserted in EPDM vibration-reduction, with ball bearing support.

- programmable 24 VDC EC motor with 0...10 V stepless control and stainless steel filter
- extreme low power consumption (max. 24 Watt)
- noise reduction: resin-coated winding in EPDM vibration damping

Electrical Connection

Standard on the RHS

Options :

Jaga Fancoil Controller JFCC

- on - off control, for use with 0 ... 10V building management systems

Power supply:

- 24 VDC 31W
- 24 VDC 60W
- 24 VDC 92

Thermostats:

- RDG 160T, room thermostat 0..10VDC Heating & Cooling
- JRT 100 Jaga room thermostat Heating & Cooling build-in
- JRT 200 Jaga room thermostat Heating & Cooling build-up

Valves:

- Jaga 2-way thermoelectric motor 230V, only for mounting on the distributor, not in the Briza!
- bend 90 ° M24 x M24 for connection to the wall.
- Valve set 95: connection set 24 VDC, 3- pipe, kv max. 0.6:
 - 24 VDC, 24 VDC 0-10V or 230 VAC thermoelectric motor
 - valve Eurocone 3/4" x M24 90°
 - lock-shield Eurocone 3/4" x M24 180°
- Valve set 90: connection set 2 lock-shields M24 180°:
 - 2 lock-shield Eurocone 3/4" x M24 180°

Condensation collecting tray Briza H52 for recessed ceiling:

- condensation collecting tray Briza H52
- condensation collecting tray Briza H38

Condensate level sensor for condensation collection pan. (only for Briza Built-In ceiling).

Terms of Use:

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. (summer and winter, airco). The unit is only to be installed in domestic or similar environments. The device is not intended for installation or use in high humidity, eg washrooms.

Operating limits:

- Supply water temperature: 3 > 90°C
- Maximum pressure heat exchanger: ... bar
- Supply Voltage: 230 V ± 10 %
- Max counter-pressure: 30 Pa ESP

Execution of the installation:

The installer calculate all the heating and cooling requirements:

- 2-pipe version: heating or cooling by means of one water-side standard heat exchanger single water-side circuit for cooled or hot water.
- 4-pipe version: heating and cooling by means of a standard heat exchanger and a additional heat exchanger, via 2 separate water-side circuits for cooling water and hot water.

Note: in cooling mode the water inlet and outlet pipes and valves must be insulated against condensation.

Minimum installation height

- the minimum distance between the bottom of the Briza and the floor is at least 10cm
- top discharge of the unit is 15 cm

Manufacturer: JagaN.V.

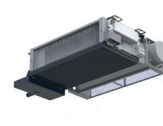
Types:

Briza 038 with casing. Versions: Wall & Ceiling

Briza 052 with casing. Versions: Wall & Ceiling



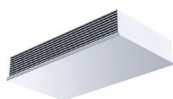
BZBW 38 / 52



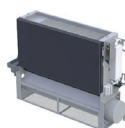
BZBC 38 / 52



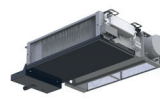
BZMW 41 / 55



BZMC 41 / 55



BZBW 38 / 52



BZBC 38 / 52