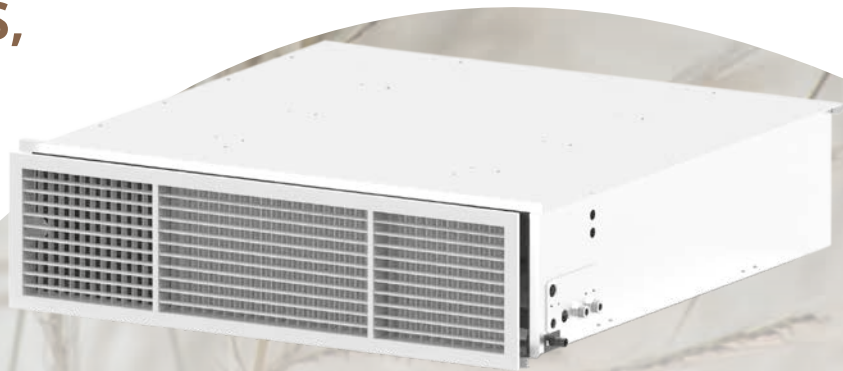




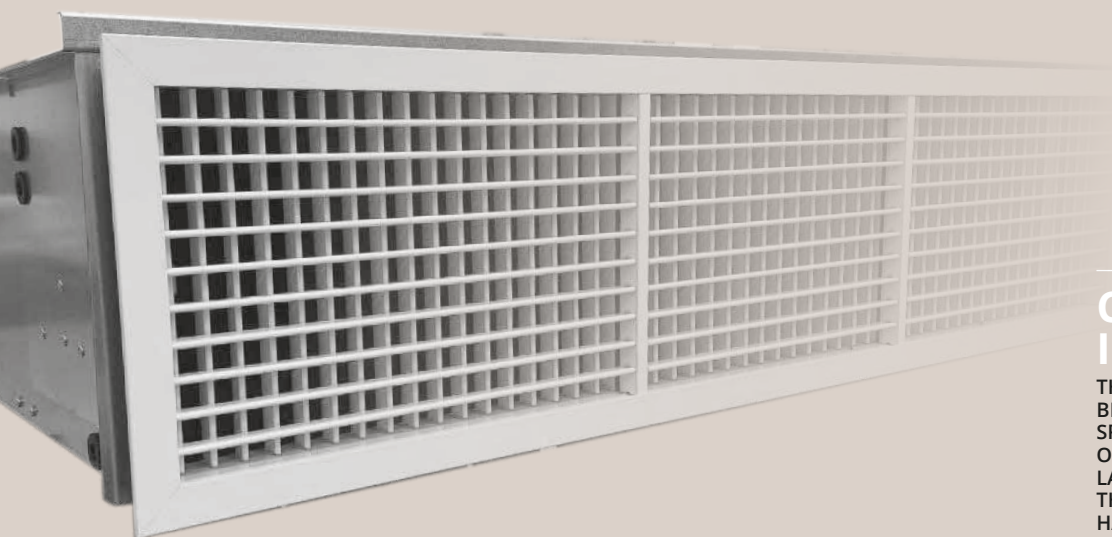
SHS-B_{EVO}

**FAN COIL -
HYDRONIC
WITH OUTER CASING
FOR HOTELS,
SILENCED**



SOMETHING DIFFERENT

GB



SHS-B EVO

**FAN COIL
HYDRONIC
WITH OUTER CASING
FOR HOTELS**

SHS-B belongs to the silenced hydronic fan coil family; it was developed for recessed installation in confined spaces - e.g. in hotels.

SHS-B has a single grille for the delivery and return of ambient air and does not require an inspection hatch. Ordinary maintenance of all components (filter, valves, electrical panel, drain pump, EC motor driver) is possible by removing the front grille. In case of unscheduled maintenance, fancoil units will slide on rails fixed inside a special sheet metal case. This specific construction leaves free space on the ceiling and facilitates the installation of lighting fixtures. The brushless motor guarantees optimised performance and comfort. Extremely low-noise and easy to install, it is also ideal for renovations.

CONCEALED INSTALLATION

THE SHS-B EVO FAN COILS ALLOW BETTER MANAGEMENT OF AVAILABLE SPACES AND HAVE A VERY LOW IMPACT ON THE INTERNAL DECORATION LAYOUT. THEY ALSO DO NOT NEED INSPECTION HATCHES.

FOR FALSE CEILING

SHS-B EVO IS AN "ALL IN ONE" SOLUTION FOR INSTALLATION IN FALSE CEILINGS WITH A SINGLE AEREAULIC TERMINAL FOR AMBIENT AIR INLET AND OUTLET. SIMPLY REMOVING THE GRILL ALLOWS MAINTENANCE TO BE CARRIED OUT. THE UNIT IS FULLY INSPECTABLE AND MAINTAINABLE.

SILENCE AND COMFORT

IT IS THE IDEAL SOLUTION FOR HOLIDAY ACCOMMODATION FACILITIES AND WHEREVER REST IS A MAJOR REQUIREMENT. THANKS TO AN ACCURATE DESIGN, SHS-B EVO IS IN FACT THE LOWEST-NOISE HYDRONIC TERMINAL! THE BEST RECIPE FOR COMFORT NEEDS A PINCH OF SILENCE.

ADVANCED SOLUTION

BASED ON ACTUAL WORKING REQUIREMENTS, SHS-B EVO IS AN IDEAL ADVANCED SOLUTION FOR:

- ARCHITECTS
 - HEATING SYSTEM DESIGNERS
 - INVESTORS
 - INSTALLERS
 - MAINTENANCE ENGINEERS
-

2 OR 4-PIPE SYSTEMS

THESE PRODUCTS CAN BE SUPPLIED WITH 2- OR 4-PIPE COILS AND WITH VALVE UNITS AND FLEXIBLE PIPES SUITABLE FOR REAR OR SIDE WATER CONNECTIONS.



COOLING

0.6/4.8_{kw}



HEATING

0.6/5.2_{kw}



AIR FLOW

85-870_{m³/h}



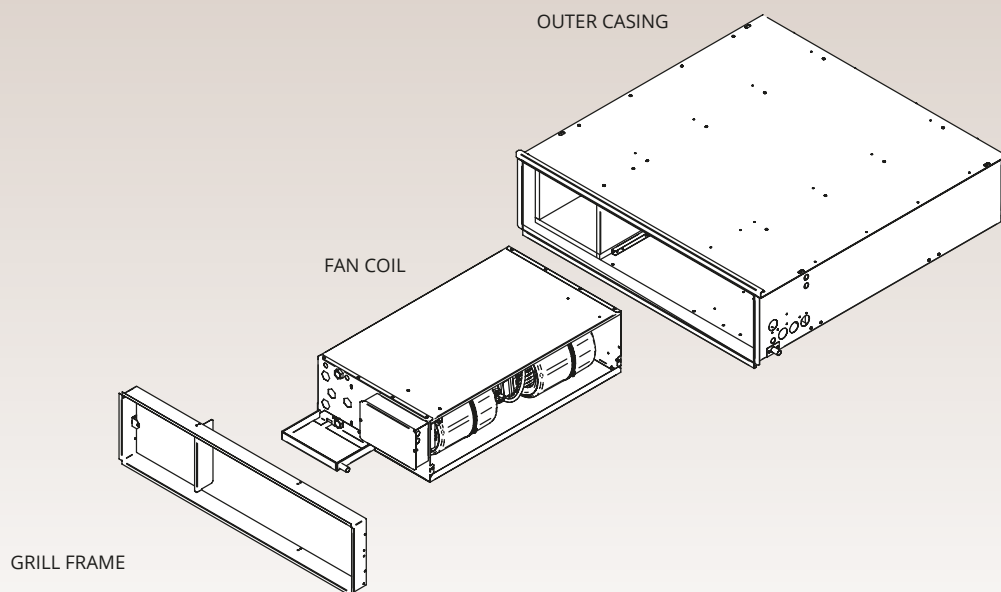
CONSUMPTION REDUCED UP TO

50%



LOW NOISE ADAPTABILITY DESIGN

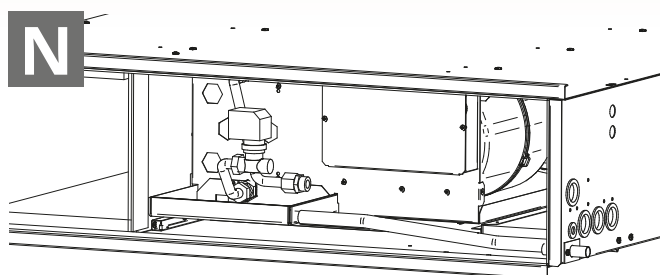
SHS-B MAKES ON-SITE INSTALLATION/
MAINTENANCE EASIER FOR BOTH RESIDENTIAL
AND HOTEL USE.
IT OFFERS THE TOP PERFORMANCE OF A SILENCED
FAN COIL WITHOUT COMPROMISING ON SPACE
AESTHETICS.
CUSTOMIZABLE GRILLE COLOURS.



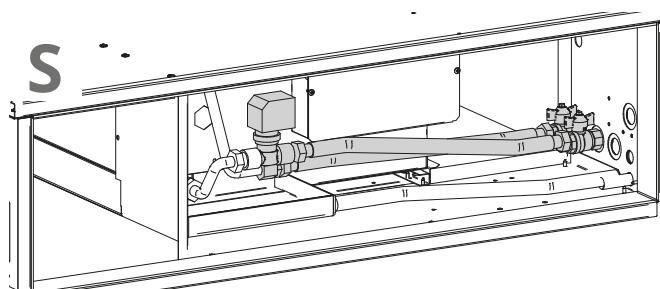
VERSATILITY

SHS-B has a new set of S (Side) and B (Back) valve kits which include hoses and valves to make installation easier.

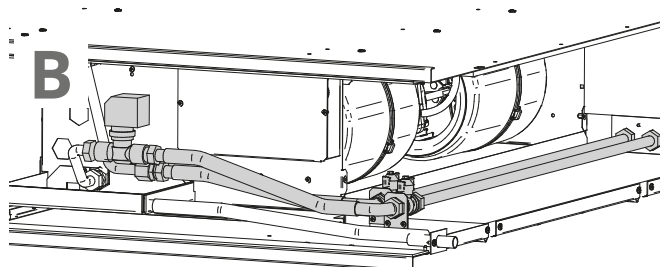
The valves can be supplied assembled in the unit in three different configurations: with hydraulic connections inside the outer casing (N), with connections from the side (S) and from the back (B). Servo-controlled valves should be used to prevent the formation of condensate on the surface of the unit when the fan stops.



Valve assembly with connections inside the outer casing (the installer must connect the hydraulic system inside the casing).



Valve assembly with connections from the side (the installer must connect the hydraulic system laterally).



Valve assembly with connections from the back (the installer must connect the hydraulic system laterally on the back).

VERSIONS

ST

STANDARD VERSION

SUMMER Δt 5°C (H₂O 7°C/12°C)

C1

COOLING ONLY VERSION FOR 2-PIPE SYSTEM

SUMMER Δt 8°C (H₂O 10°C/18°C)

H1

VERSION FOR 4-PIPE SYSTEM

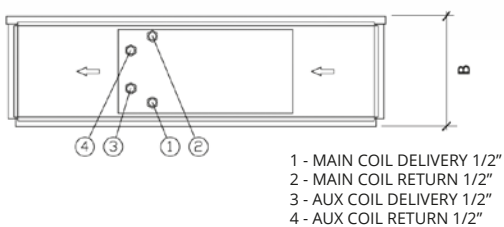
SUMMER Δt 8°C (H₂O 10°C/18°C)

DIMENSIONAL DWGS

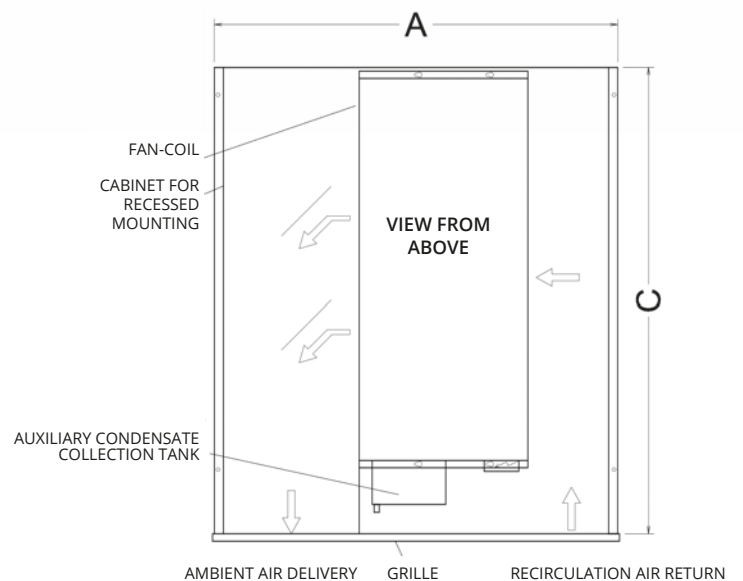
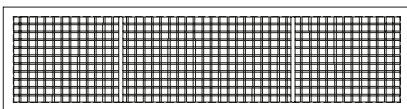
SIZE	A	B	C	WEIGHT	WEIGHT
				2 PIPES	4 PIPES
				Kg	Kg
320	1000	290	750	27	29
634	1000	290	1010	35	38
1260	1100	290	1270	43	47

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

FRONT VIEW (WITHOUT GRILLE)



FRONT VIEW (WITH GRILLE)



SHS-B

AC MOTOR

2-PIPE SYSTEM

		320			634			1260		
		4 rows			4 rows			4 rows		
SPEED		min	med	max	min	med	max	min	med	max
Air flow	m ³ /h	145	240	280	210	340	410	n.a.	n.a.	n.a.
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C										
Total capacity	kW	0.98	1.48	1.66	1.41	2.09	2.42	n.a.	n.a.	n.a.
Sensitive capacity	kW	0.73	1.12	1.27	1.05	1.60	1.87	n.a.	n.a.	n.a.
Water flow rate	l/h	168	254	286	242	360	416	n.a.	n.a.	n.a.
Δp (water)	kPa	4.4	9.0	11.1	1.9	3.8	4.9	n.a.	n.a.	n.a.
HEATING - air 20°C - water inlet 45°C, outlet 40°C										
Capacity	kW	1.00	1.56	1.78	1.46	2.25	2.62	n.a.	n.a.	n.a.
Water flow rate	l/h	174	270	308	253	389	454	n.a.	n.a.	n.a.
Δp (water)	kPa	3.8	8.3	10.4	1.7	3.6	4.7	n.a.	n.a.	n.a.
MOTOR ELECTRIC POWER DRAW										
Power draw	W	18	29	35	20	35	44	n.a.	n.a.	n.a.
Max power draw	A	0.19			0.24	n.a.				
SOUND DATA										
Sound power	dB(A)	33	38	40	30	36	39	n.a.	n.a.	n.a.
Sound pressure (*)	dB(A)	24	29	31	21	27	30	n.a.	n.a.	n.a.

AC MOTOR

4-PIPE SYSTEM

		320 + B1			634 + B1			1260 + B1		
		4 rows + 1			4 rows + 1			4 rows + 1		
SPEED		min	med	max	min	med	max	min	med	max
Air flow	m ³ /h	145	240	280	210	340	410	n.a.	n.a.	n.a.
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C										
Total capacity	kW	0.98	1.48	1.66	1.41	2.09	2.42	n.a.	n.a.	n.a.
Sensitive capacity	kW	0.73	1.12	1.27	1.05	1.60	1.87	n.a.	n.a.	n.a.
Water flow rate	l/h	168	254	286	242	360	416	n.a.	n.a.	n.a.
Δp (water)	kPa	4.4	9.0	11.1	1.9	3.8	4.9	n.a.	n.a.	n.a.
HEATING - air 20°C - water inlet 65°C, outlet 55°C										
Capacity	kW	0.89	1.25	1.38	1.37	1.90	2.16	n.a.	n.a.	n.a.
Water flow rate	l/h	78	109	121	119	166	188	n.a.	n.a.	n.a.
Δp (water)	kPa	1.4	2.6	3.1	4.7	8.5	10.6	n.a.	n.a.	n.a.
MOTOR ELECTRIC POWER DRAW										
Power draw	W	18	29	35	20	35	44	n.a.	n.a.	n.a.
Max power draw	A	0.19			0.24					
SOUND DATA										
Sound power	dB(A)	33	38	40	30	36	39	n.a.	n.a.	n.a.
Sound pressure (*)	dB(A)	24	29	31	21	27	30	n.a.	n.a.	n.a.

EC MOTOR 2-PIPE SYSTEM

		320			634			1260		
		4 rows			4 rows			4 rows		
Speed (Drive voltage)	V	1	3.5	10	1	3.5	10	1	3.5	10
Air flow	m3/h	85	150	325	140	220	450	200	380	870
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C										
Total capacity	kW	0.61	1.01	1.86	0.99	1.47	2.60	1.44	2.52	4.80
Sensitive capacity	kW	0.45	0.75	1.44	0.73	1.10	2.02	1.05	1.87	3.73
Water flow rate	l/h	106	173	321	170	252	447	248	432	825
Δp (water)	kPa	1.9	4.6	13.6	1.0	2.0	5.5	3.3	8.7	27.0
HEATING - air 20°C - water inlet 45°C, outlet 40°C										
Capacity	kW	0.61	1.04	2.01	1.00	1.52	2.84	1.44	2.60	5.21
Water flow rate	l/h	106	179	348	174	264	491	249	449	902
Δp (water)	kPa	1.6	4.0	13.0	0.9	1.8	5.4	2.7	7.7	26.1
MOTOR ELECTRIC POWER DRAW										
Power draw	W	4	6	20	5	8	22	5	11	60
Max power draw	A	0.22			0.21	0.53				
SOUND DATA										
Sound power	dB(A)	30	32	44	30	33	42	29	33	49
Sound pressure (*)	dB(A)	21	23	35	21	24	33	20	24	40

EC MOTOR 4-PIPE SYSTEM

		320 + B1			634 + B1			1260 + B1		
		4 rows + 1			4 rows + 1			4 rows + 1		
Speed (Drive voltage)	V	1	3.5	10	1	3.5	10	1	3.5	10
Air flow	m3/h	85	150	325	140	220	450	200	380	870
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C										
Total capacity	kW	0.61	1.01	1.86	0.99	1.47	2.60	1.44	2.52	4.80
Sensitive capacity	kW	0.45	0.75	1.44	0.73	1.10	2.02	1.05	1.87	3.73
Water flow rate	l/h	106	173	321	170	252	447	248	432	825
Δp (water)	kPa	1.9	4.6	13.6	1.0	2.0	5.5	3.3	8.7	27.0
HEATING - air 20°C - water inlet 65°C, outlet 55°C										
Capacity	kW	0.61	0.91	1.52	1.03	1.41	2.29	1.42	2.23	3.84
Water flow rate	l/h	53	79	133	89	123	200	124	194	335
Δp (water)	kPa	0.7	1.5	3.6	2.9	5.0	11.8	1.2	2.7	7.0
MOTOR ELECTRIC POWER DRAW										
Power draw	W	4	6	20	5	8	22	5	11	60
Max power draw	A	0.22			0.21	0.53				
SOUND DATA										
Sound power	dB(A)	30	32	44	30	33	42	29	33	49
Sound pressure (*)	dB(A)	21	23	35	21	24	33	20	24	40

(*) = livelli di pressione sonora sono inferiori a quelli di potenza di 9 dB(A) per un ambiente di 100 m3 ed un tempo di riverbero di 0,5 sec.

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