Bi2 SL smart

Total flat fan coil radiator.
No unsightly grill: total and perfect integration with the building.

EUROVENT CERTIFIED PERFORMANCE

FEATURES

Cools, Dehumidifies, Heats and Filters

Compact: thickness of just 12,9 cm

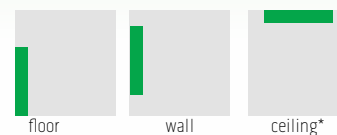Range consists of 5 power models

AC Motor

Smart sides

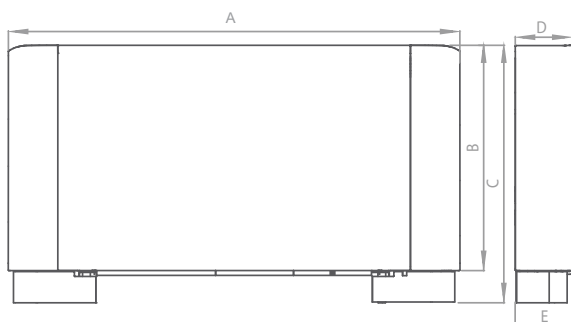Total Flat Aesthetic with integrated vacuum system

installation:

floor	wall	ceiling*

Available in colors: ☐ White

Design by S. Ercoli & A. Garlandini

MODEL		Bi2 smart without heating panel (SL smart)				
		SL smart 200	SL smart 400	SL smart 600	SL smart 800	SL smart 1000
White	cod.	01409	01410	01411	01412	01413

		200	400	600	800	1000
A	mm	759	959	1159	1359	1559
B	mm	579	579	579	579	579
C	mm	659	659	659	659	659
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Weight	kg	11,5	13	15,5	18,5	21,5

* Front basin kit and feet kit are necessary

1. Valve with thermoelectric actuator (accessory kit)
2. High Efficiency Coil
3. Water temperature sensor
4. High efficiency tangential fan
5. Condensation collector basin
6. Electronic controls (accessory kit)

MODEL		Bi2 SL smart				
		200	400	600	800	1000
(a) Total cooling capacity	kW	0,83	1,76	2,56	3,3	3,81
Sensible cooling capacity	kW	0,65	1,27	1,96	2,56	3,01
Water flow rate	lt/h	142	302	446	573	655
Water pressure loss	kPa	13,1	8,2	19	18,7	18,2
(b) Heating capacity (50°C)	kW	0,98	2,15	2,89	3,82	4,35
Water flow rate (50°C)	lt/h	84	185	249	329	374
Water pressure loss (50°C)	kPa	4,72	2,94	5,57	4,49	4,23
(c) Heating capacity (70°C)	kW	1,77	3,88	5,21	6,88	7,83
Water flow rate (70°C)	lt/h	152	334	448	592	673
Water pressure loss (70°C)	kPa	10,9	7,0	14,3	12,7	12,5
Battery water capacity	l	0,47	0,8	1,13	1,46	1,8
Maximum operating pressure	bar	10	10	10	10	10
Water connections	inches	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4
(d) Air flow min	m³/h	100	170	180	370	420
(d) Air flow max	m³/h	160	320	460	575	650
Absorbed power min	W	6	9	9	17	19
Absorbed power max	W	17	28	35	38	43
Sound power min Lw	dB(A)	38	39	41	39	42
Sound power max Lw	dB(A)	52	53	53	53	54
(g) Sound pressure	dB(A)	34	36	37	35	38
Electrical supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50

(a) Water temperature in battery inlet 7°C, water temperature in battery outlet 12°C, ambient air temperature 27°C b.s. and 19°C b.u.
(b) Water temperature in battery inlet 50°C, water flow in cooling, inlet ambient air temperature 20°C
(c) Water temperature in battery inlet 70°C, water temperature in battery outlet 60°C, ambient air temperature inlet 20°C
(d) Air flow measured with clean filters
(g) Sound pressure measured at 1,5 m

	CODE	DESCRIPTION	COMPATIBILITY
ON BOARD CONTROL	B0659	**Built-in** electronic control kit. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor connection, and two 230VAC outlets for the control of 2 valves.	
	B0371	**Built-in** electronic control kit. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor contact connection, a 230VAC outlet for the solenoid valve control, and contacts to enable the boiler or chiller.	AQUA **DUE** CONTROL
	B0772	Touch design **built-in** control kit. Back-lit display with desired temperature visualization, real-touch switches, mode of operation and fan speed selection. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor contact connection, a 230VAC outlet for the solenoid valve control. Remote control provided.	AQUA **DUE** CONTROL
	B0658	**Built-in** electronic autonomous control kit without thermostat. Built-in control with speed selection and ventilation. It has a 230VAC outlet at for the control of a solenoid valve. It is fitted for connection of an enabling contact or outdoor thermostat (Minimum contact flow: 2A-250Vac).	B0336
REMOTE CONTROL	B0543	**Electronic control** kit with 3 speed swithc, adjustable thermostat, summer and winter selector, and minimum water sensor mode. It has a 230VAC outlet for the control of a solenoid valve.	
	B0372	Electronic control kit **for remotization**. The main operating parameters, set point and ambient temperature are transmitted from the remote control B0373 or B0736 to all connected fan coils on the network, enabling a seamless operation. It has a 230VAC outlet for the control of a solenoid valve, two clean contacts for the control of a chiller or a boiler, and a presence inlet. Operation in MODBUSprotocol, RS485.	B0736 AQUA **DUE** CONTROL My Home by **bticino**
	B0707	Electronic control kit **for remotization** for 3-speed Fan (selectable between 5 available) and 2 solenoid valves. Fan control kit with motor feedback with speed gauge generator. No need to configure controls depending on the size of the fan coil. Electronic remote board solenoid valves actuating contacts. From same control B0151 or B0152 you can control up to 10 terminals equipped with Bi2 B0707.	B0151 B0152
	B0151	**Wall control kit** with thermostat, summer/winter selector and speed switch. Wall thermostat with room sensor, On-Off switch, three-speed fan and summer/winter selector. Temperature range setting from 5 ° C to 30 ° C. 230 V supply. It has two 230VAC hot water and cold water solenoid outlets and an inlet water temperature sensor.	B0707
	B0152	**Recessed control kit** LCD with ambient sensor and thermostat, summer/winter selector and speed switch.Electronic recessed thermostat with ambient sensor, On-Off switch, fan speed selector (min, med, max and auto), ambient temperature, minimum water sensor mode and summer/winter selector. Temperature range setting from 5 ° C to 30 ° C. 230 V supply.	B0707
	B0736	LCD **wall clock thermostat remote** control kit. Programmable wall LCD thermostat control for MODBUS connection, RS485. Ability to control up to 30 units. Desired temperature selection, operation mode, fan speed, manual/programmable thermostat. Room sensor inserted in control. Backlit LCD. Presence contact input. The control is equipped with a 230/12VAC double insulation power transformer and a buffer battery. Wall installation with center to center distance compatible with standard recessed mounting box 503.	B0372 AQUA **DUE** CONTROL

	CODE	DESCRIPTION
HYDRAULIC KITS	B0139	**2 way group valves with thermoelectric actuator kit.** Consists of a valve with thermoelectric actuator and holder, the first allows for the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses. This kit is mandatory in version SLR except in the case of using a 3-way valve kit or in the presence of a collector with thermoelectric heads.
	B0641	**2-way valves group kit with thermoelectric actuator and bypass branch with pressure relief valve.** The kit consists of a valve with thermoelectric actuator, a holder and a bypass with a pressure relief valve, the first allows the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses while the by-pass maintains the system balanced even with cabinet excluded. This kit is an alternative to the 2-way solenoid valve kit. (Required in SLR version)
	B0635	**3-way group valves kit with thermoelectric actuator.** Consists of a three-way diverter valve with thermoelectric actuator, and a holder. The first allows the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses; the by-pass keeps water circulating in the system. This kit is an alternative to the 2-way solenoid valve kit (required in version SLR).
	B0205	**Manual 2-way group valves kit.** Consisting of a valve and a holder, the first allows the cabinet to be manually excluded from the system, while the holder allows the balancing of system load losses. Also allowed when solenoid valves on the collector are managed by the control kit of terminal Bi2.
	B0204	**Manual 2-way valve isolation kit.** Avoids condensation during the cooling operation (already included in the other thermoelectric hydraulic kits).
	B0501	**Spacer kit (No. 1 unit) 3/4 Eurokonus.** Available for multilayer pipes d. 20 mm. (which do not allow adequate bending radii), no. 1 or 2 kit. for machine according to the type of installation.
	B0200 B0201	**Adaptors couple kit.** Allows you to transform the Bi2 3/4 " Eurocone connection into a standard 1/2 "(B0200) or 3/4 " (B0201) gas thread connection.
	B0203	**kit 90° Eurokonus bend.** Facilitates the connection in case of hydraulic connections with walled pipes
ELECTRICAL KITS	B0336	**Minimum temperature thermostat kit.** Kit only compatible with B0458.
	B0459	**Control connection extension kit.** Power and motor sensor electric connection cable for installations where connection positions are rotated (from Right to Left) .
AESTHETICAL KITS	B0682	**Feet kit for smart Bi2.** Kit of two aesthetic feet for coverage of any floor pipes. Available in white.
	B0683	**Floor fixing bracket kit Bi2 smart.** Kit support brackets and mounting the floor of the terminal (applications front windows or on non-bearing walls). It also has the function of aesthetic kit (color off white).
	B0677 (200) **B0678** (400) **B0679** (600) **B0680** (800) **B0681** (1000)	**Back panel in painted sheet (For front glass applications).**
	B0520 (200) **B0521** (400) **B0522** (600) **B0523** (800) **B0524** (1000)	**Bi2 ceiling installation kit (Excluding versions SLR and SLI)**