



# > DESIGNED WITH EXPERIENCE, METICULOUSLY MANUFACTURED



The **QUADRIFOGLIO B** series heat generators are the synthesis of the Ferroli Group's decades' long experience in the steel boiler business, and its know-how acquired in condensing heating system technology.

The technical features underlying the design of the **QUADRIFOGLIO B** allow designers to select from a wide range of system solutions, choosing either one single boiler or a series of appliances operating in a cascade.

### > RANGE

### model 70

WITH 65.5 KW HEAT INPUT

### model 125

WITH 116 KW HEAT INPUT

## **model 220**

WITH 207 KW HEAT INPUT

## model 320

WITH 299 KW HEAT INPUT

#### **OUADRIFOGLIO B IN BRIEF**



Suitable only for **indoor** operation



**Remote control** (ROMEO) for setting boiler parameters



Patented exchanger in AISI 316 Ti stainless steel



Electronics features built-in **master-slave cascade** operation, without additional controllers



Possible connection to an optional outdoor probe, thus enabling **system flow temperature compensation** 



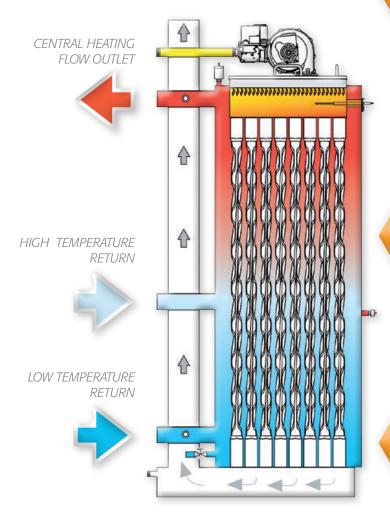
Appliance rated as **class 5**, the most **ecological** rating defined the relevant European standards (EN 297 and 483)



"Range rated" certified appliance, according to EN 483

# > THE IDEAL SOLUTION FOR EVERY SYSTEM

The boiler's high water content and its vertical layout mean that the QUADRIFOGLIO B series have very low pressure drop even at high flow-rates, allowing the boiler to work at practically any  $\Delta T$  between outlet and return - up to a maximum of  $60^{\circ}C$  when the flow-rate is near zero. All this ensures considerable installation flexibility, freeing system designers from the limits imposed by the type of boiler. Moreover, the appliances can be connected directly to the system without needing low-loss headers, even in multi-zone systems where variations in flow-rate and  $\Delta t$  between boiler outlet and return are often considerable. These characteristics make this model especially suitable in the following situations:



### **WATER CONTENT**

 MODEL 70
 MODEL 125
 MODEL 220
 MODEL 320

 160 litres
 265 litres
 380 litres
 530 litres

# > SYSTEMS WITH MULTI-ZONE DISTRIBUTION CIRCUITS WITH DIFFERENT OPERATING TEMPERATURES

QUADRIFOGLIO B is fitted with a second return attachment for connection to systems operating at high temperatures (e.g. return from DHW storage) that, being located around half-way up the heat exchanger, avoids raising the average return temperature of the low temperature circuit, while guaranteeing maximum appliance efficiency.

## >SYSTEMS WITH HIGH WATER FLOW-RATES AND SYSTEMS WITH MODULATING CIRCULATION

The physical characteristics of the boiler make it ideal for systems with high water flow-rates, operating simultaneously in multiple "zones". The possibility to work across a practically unlimited range of  $\Delta t$  means the boiler can easily operate in combination with low power, variable-speed circulation systems, bringing advantages in terms of building energy efficiency calculation.

### > RENOVATION OF EXISTING SYSTEMS

Being a boiler that can be integrated into any type of heat distribution system obviously allows designers much more freedom. Furthermore, the appliance works perfectly with plate heat exchangers (that feature very high pressure drop) fitted between the boiler and the system, to prevent slime from ending up in the boiler and affecting correct operation.

## > REPLACEMENT OF EXISTING HEAT GENERATORS

The fact that the QUADRIFOGLIO B is "independent" of the type of system makes it the best solution in terms of performance and technical specifications when replacing old heat generators. Four-star certification guarantees higher overall system efficiency and a consequent reduction in energy consumption.

# > CHARACTERISTICS THE HEART OF THE QUADRIFOGLIO B



#### > CARE TO DETAIL

**AISI 316 TI stainless steel** is used in the construction of the heat exchanger and the condensate collection pan, guaranteeing maximum mechanical strength and resistance to corrosion.

The "four-leaf clover" cross-section of the heat exchanger tubes and their helical arrangement guarantee a larger heat exchange surface, a better heat transfer coefficient between the water and the flue gas, and a very low heat load.

Special care has also been paid to the welding between the flues and the head plates, an area that is especially exposed to corrosion by condensate. Indeed, a special **"speed short-arc"** welding process is adopted, which significantly reduces any problems that may arise when joining together different types of steel.

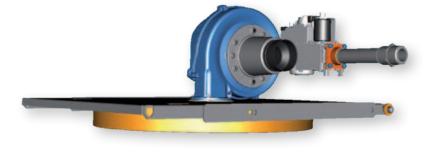






#### > PREMIX

QUADRIFOGLIO B features a total premix combustion unit, with variable-speed fan, operating on natural gas or LPG. The special layout of the front combustion burner and the use of a diffusion grill for the air/gas mixture ensure perfect division of the heat load across the combustion chamber, protecting both the burner and the heat exchanger against thermal head. The burner occupies very little space vertically, allowing the entire length of the heat exchanger to be exploited and bringing obvious benefits regarding condensation and stratification in the boiler.



**NOX** < 40 mg/kWh

**CO** < 10 mg/kWh

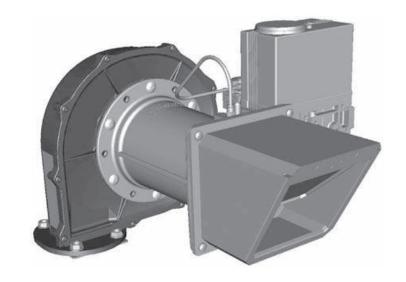
VALUES REFER TO THE WEIGHTED AVERAGE

# > CHARACTERISTICS THE HEART OF THE QUADRIFOGLIO B

#### > FLUE GAS NON-RETURN VALVE

A valve fitted with moving damper is installed as standard on the burner premixing unit fan. This valve prevents flue gas from returning through the boiler, with the consequent release of harmful gases in the installation environment.

This means the combustion gas can be discharged under pressure and consequently the flue system can be sized more easily, using smaller diameter pipes than in traditional negative pressure systems.

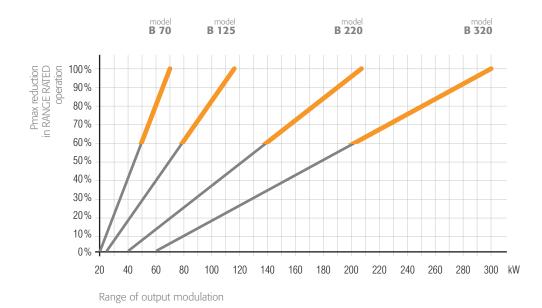


### > RANGE RATED

QUADRIFOGLIO B is a "RANGE RATED" boiler in accordance with the requirements defined by standard EN 483.

In fact, heating capacity can be adapted based on system requirements, making the heating system as efficient as possible and guaranteeing the maximum performance declared by the manufacturer.



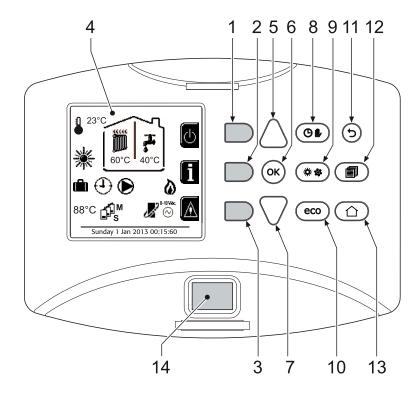


HEAT INPUT
IS ADAPTED
AS DESCRIBED
IN THE TECHNICAL
DOCUMENTS.
THIS ENSURES
THE PERFORMANCE
AND EFFICIENCY
DECLARED BY
THE MANUFACTURER.

# > CHARACTERISTICS CONTROL PANEL

The QUADRIFOGLIO B series is fitted with a control panel featuring a large dot matrix display and buttons for setting the basic boiler functions and selecting the parameter menus.

The interface has been designed to make it easier to read the parameters and browse the USER menus for controlling and setting the basic functions, and the SERVICE menus for maintenance and advanced parameter settings.



#### **KEY**

- 1 Context button 1
- 2 Context button 2
- **3** Context button 3
- 4 Dot matrix display (e.g. main screen)
- 5 Navigation/menu button
- 6 Confirm/enter menu button
- 7 Navigation/menu button
- 8 Automatic/Manual Central heating/DHW mode button
- **9** Select Summer/Winter mode button
- 10 Select Economy/Comfort mode button
- 11 Exit menu button
- 12 Main menu button
- 13 Home button (return to the main screen)
- 14 On/off switch

#### **CONTEXT BUTTONS** CONTEXT BUTTONS

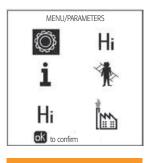
(no. 1, 2, 3) are grey in colour, have no screen printed markings and their meaning changes depending on the selected menu. The information shown on the display (icons and texts) must be read in order to understand the function. For example, context button 2 (no. 2) provides access to appliance information such as: temperature sensor readings, operating output, etc.

**DIRECT BUTTONS** (no. 8, 9, 10) always have the same function

#### **NAVIGATION/MENU BUTTONS**

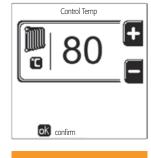
The navigation/menu buttons (no. 5, 6, 7, 11, 12, 13) are used to navigate between the various menus available on the control panel

### SOME EXAMPLES OF THE DISPLAY INTERFACE



Main service menu



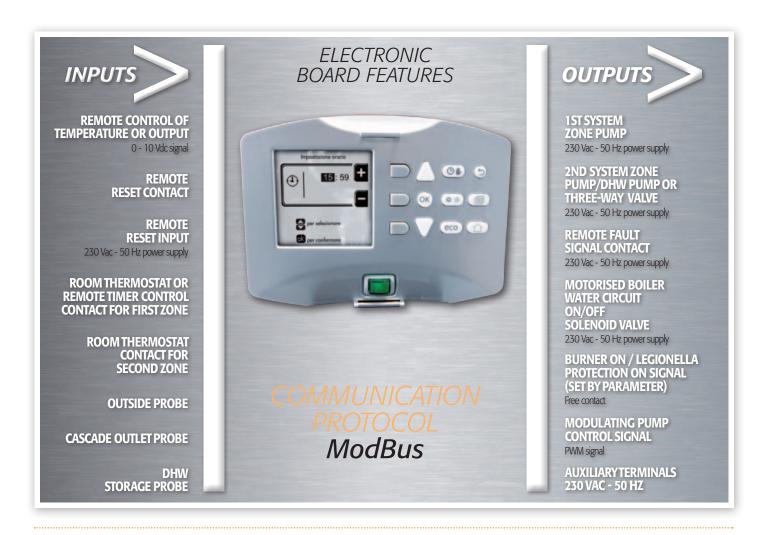


Central heating temperature setting



Domestic hot water production with storage cylinder and dedicated pump

# > CHARACTERISTICS ELECTRONIC CONTROL UNIT

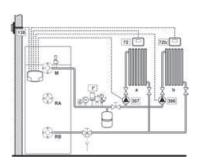


## > ELECTRONIC CONTROL UNIT

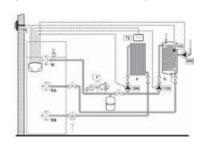
The electronic controller on the QUADRIFOGLIO B has been designed and developed for integration into the latest system logic. In the standard configuration, the electronic board can control most of the typical devices in a heating system.

Some of the systems that can be developed include:

## **HEATING SYSTEM**WITH TWO ZONES

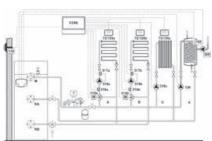


## MIXED HEATING SYSTEM (CENTRAL HEATING + DHW)

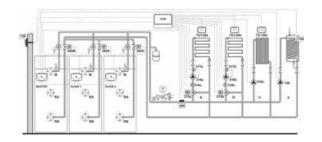


## MIXED HEATING SYSTEM WITH THREE CENTRAL HEATING ZONES

(DHW + 1 DIRECT AND 2 MIXED ZONES)

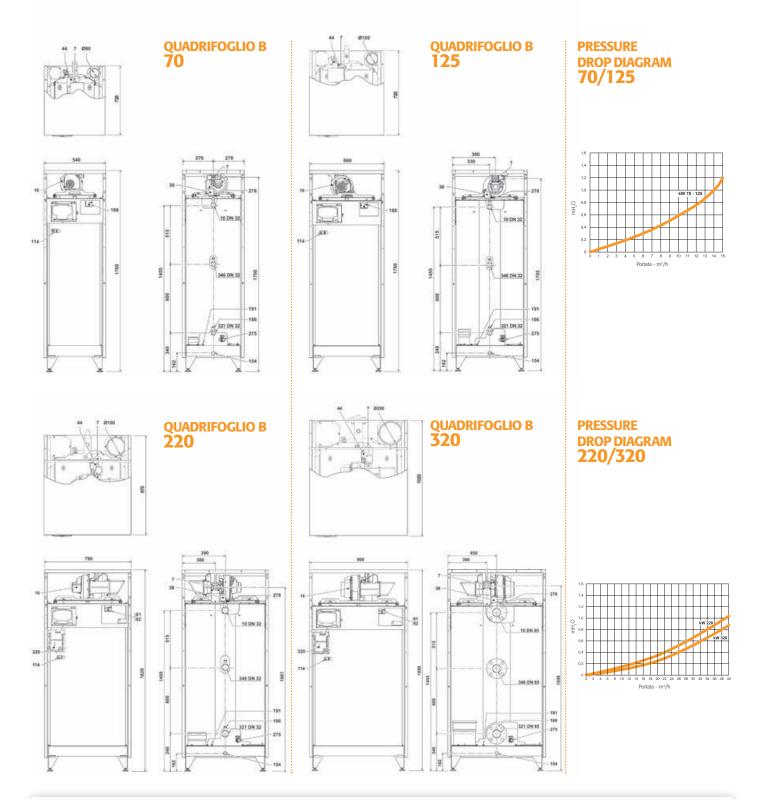


### **CASCADE INSTALLATION**



## > TECHNICAL SPECIFICATIONS

**DIMENSIONS - PRESSURE DROP** 



KEY 7 Gas inlet 10 System delivery 16 Fan 32 Heating circulating pump (not supplied) 36 Automatic air vent 44 Gas valve 72 Room thermostat (not supplied) 72b Second room thermostat (not supplied) 81 Ignition electrode 82 Detection electrode 95 Diverter valve (not supplied) 98 Switch 114 Water pressure switch 130 DHW circulating pump (not supplied) 138 External probe (not supplied) 139 Remote timer control (not supplied) 154 Condensate drain pipe 155 Hot water tank temperature probe (not supplied) 186 Return sensor 188 Ignition/Ionisation electrode 191 Fume temperature sensor 220 Ignition card 256 Modulating heating circulating pump signal 275 Heating system drain cock 278 Double sensor (Safety + Heating) 298 Cascade temperature sensor (not supplied) 299 Input 0-10 Vdc 300 Bumer lit contact (voltage-free contact) 301 Fault contact (voltage-free contact) 302 Remote reset input (230 Volt) 306 Heating system circulating pump (not supplied) 307 Heating system second circulating pump (not supplied) 321 Low temperature return 346 High temperature return 357 Faulty contact (230 Vac) 361 Cascade connection of next module 362 Cascade connection of previous module 363 MODBUS communication

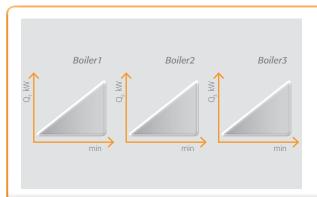
# > TECHNICAL SPECIFICATIONS SUMMARY TABLE

MODEL Efficiency and performance		70	125	220	320
Max heat input in central heating mode	kW	65,5	116	207	299
Min heat input in central heating mode	kW	14	23	41	62
Max heat output in CH (80/60)	kW	64,4	114	204	294,5
Min heat output in CH (80/60)	kW	13,7	22,5	40,2	60,8
Max heat output in CH (50/30)	kW	69,9	123,9	221	319,3
Min heat output in CH (50/30)	kW	15	24,8	44,2	66,8
Efficiency at Pmax (80/60)	%	98,3	98,3	98,5	98,5
Efficiency at Pmin. (80/60)	%	98	98	98	98
Efficiency at Pmax (50/30)	0/0	106,8	106,8	106,8	106,8
Efficiency at Pmin. (50/30)	%	107,7	107,7	107,7	107,7
Efficiency at 30% (30°C)	%	109,6	109,6	109,6	109,6
Efficiency class, Directive 92/42 EEC		***	***	***	****
NOx class		5	5	5	5
Max central heating temperature	°C	90	90	90	90
Max domestic hot water temperature	°C	70	70	70	70
Max heat exchanger ΔT	°C	60	60	60	60
Maximum stack pressure at Pmax	pascal	200	150	200	200
Operating pressure min - max	bar	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6
Structural characteristics					
Water content	litres	160	265	380	530
Empty weight	Kg	180	280	400	500
Width	mm	540	660	780	900
Height	mm	1760	1780	1820	1850
Depth	mm	720	720	870	1020
Electrical specifications					
Power supply voltage	V/Hz	230/50	230/50	230/50	230/50
Index of protection	IP	XOD	XOD	XOD	XOD
Power consumption	W	95	200	260	370
Water and gas fittings					
Central heating flow outlet		1' 1/4	1' 1/4	2'	DN 65
Central heating return inlet, low temperature		1' 1/4	1' 1/4	2'	DN 65
Gas inlet		1'	1'	1'	1'
Central heating return inlet, high temperature		1' 1/4	1' 1/4	2'	DN 65
Flue gas outlet Ø (mm)		80	100	160	200
Combustion					
Type of appliance		B23	B23	B23	B23
Combustion efficiency at Pmax	%	98,3	98,3	98,3	98,3
Combustion efficiency at Pmin	%	98,7	98,7	98,7	98,7
Losses through the stack with burner on at Pmax	%	1,7	1,7	1,7	1,7
Losses through the stack with burner on at Pmin	%	1,3	1,3	1,3	1,3
Flue gas temperature at Pmax (80/60)	°C	68	66	67	67
Flue gas temperature at Pmin (80/60)	°C	60	60	61	61
Flue gas temperature at Pmax (50/30)	°C	43	43	45	45
Flue gas temperature at Pmin (50/30)	°C	32	32	31	31
Flue gas flow-rate at Pmax	kg/h	107,1	189,6	338,4	488,8
Flue gas flow-rate at Pmin	kg/h	23,3	39,9	71,1	107,5
CO <sub>2</sub> at Pmax	%	9,3	9,3	9,3	9,3
CO <sub>2</sub> at Pmin	%	9,1	8,7	8,7	8,7
CO O <sub>2</sub> =0% at Pmax	mg/kWh	17	30	40	35
CO O <sub>2</sub> =0% at Pmin	mg/kWh	1	2	2	3
$CO O_2 = 0\%$ weighted	mg/kWh	5,5	6	8	20
NOx $O_2$ =0% at Pmax	mg/kWh	69,7	50	44	41
NOx $O_2 = 0\%$ at Pmin	mg/kWh	13,3	10	9	10
NOx $O_2 = 0\%$ weighted	mg/kWh	35	37	38	26

# > CASCADE INSTALLATION PRACTICAL AND SMART

### Every part has been designed to simplify cascade installations. The main points are as follows.

- The water fittings have been positioned at the same heights so as to simplify connection to the system outlet and return manifolds.
  - The double flue gas outlet on the right and left sides of the boiler, and the non-return damper positioned directly on the fan simplify sizing and development of the flue gas manifold.
- The QUADRIFOGLIO B range features a complete series of accessories for multiple combinations in groups of two or three boilers, up to a maximum output of 920 kW.
  - Each configuration comes complete with flue gas, water circuit and gas accessories.
- The electronic controller fitted as standard has been designed to independently manage the operation of multiple heat generators in a cascade, with MASTER-SLAVE logic, up to a maximum of 6 appliances.
  - The air/gas system has been designed to allow the group flue gas manifold to be sized for operation under pressure and consequently allow smaller manifolds.
- The parameters available on the cascade MASTER board can be set so as to select the activation sequence of the various modules and rotation of the activation sequence, so as to uniformly divide the number of operating hours.

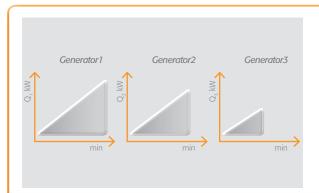


### > PARALLEL OPERATION

"Parallel" operation of the modules involves simultaneous start-up, output modulation and shut-down of the burners.

This solution ensures maximum system efficiency, as a higher number of appliances on and operating at lower output guarantees maximum condensation

However, the range of output modulation of the system is limited



### > SEQUENTIAL OPERATION

Sequential start-up and output modulation of the burners guarantees a wider range of modulation, from the minimum output of one single boiler to the sum of the maximum outputs of the boiler with all the burners on. This makes the system more flexible to respond to system heating requirements, however with a slight decline in energy efficiency.

## > CASCADE INSTALLATION



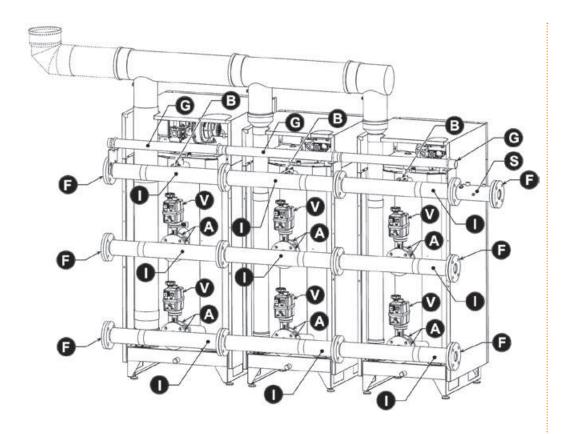
A minimum of two 70 kW boilers up to a maximum of three 320 kW boilers can be connected together, in the combinations shown in the table.

For all these configurations, the company guarantees correct operation and supplies all the water circuit, gas, flue gas manifold accessories and additional cascade safety kits, required to construct the "cascade".

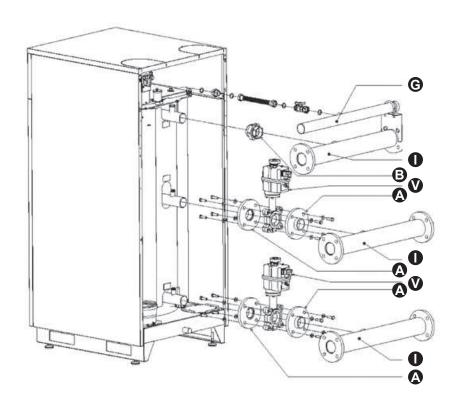
UE AT INDUT	HEAT (	DUTPUT	CASCADE MODULATION Pmin/Pmax	MODULES	MODELS COMBINATION					
HEAT INPUT	80/60°C	50/30℃	50/30°C	QTY	1	2	3			
kW	kW	kW	kW							
131,0	128,8	139,8	15,0/139,8	2	70	70	-			
181,5	178,4	194,9	15,0/194,9	2	70	125	-			
232,0	228,0	250,0	24,8/250,0	2	125	125	-			
247,0	242,8	264,8	15,0/264,8	3	70	70	125			
297,5	292,4	319,9	15,0/319,9	3	70	125	125			
323,0	318,0	345,0	24,8/345,0	2	125	220	-			
348,0	342,0	375,0	24,8/375,0	3	125	125	125			
414,0	408,0	440,0	44,2/440,0	2	220	220	-			
439,0	432,0	470,0	24,8/470,0	3	125	125	220			
506,0	498,5	540,0	44,2/540,0	2	220	320	-			
530,0	522,0	565,0	24,8/565,0	3	125	220	220			
598,0	589,0	640,0	66,8/640,0	2	320	320	-			
621,0	612,0	660,0	44,2/660,0	3	220	220	220			
713,0	702,5	760,0	44,2/760,0	3	220	220	320			
818,0	793,0	860,0	44,2/860,0	3	220	320	320			
897,0	883,5	960,0	66,8/960,0	3	320	320	320			

## > CASCADE INSTALLATION

ACCESSORIES MATCHING - WATER AND GAS



## WATER, GAS, FLUES MANIFOLDS



# DESCRIPTION OF CASCADE ACCESSORIES

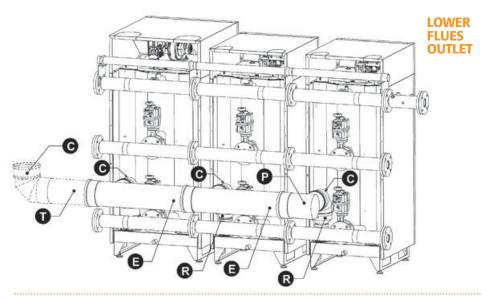
- **A** Adaptor for connection of motorized valve
- **B** Adaptor connections boiler/manifold
- F Flange for manifold (one blind flange, a drilled one, including gaskets, screws, nuts)
- **G** Gas manifold, including ON/OFF valve, flexible hose, gaskets, screws, nuts
- Water manifold, including gaskets, screws, nuts
- S Manifold for lodging of additional optional safety devices (according to Italian INAIL rules)
- **V** Motorised ON/OFF valve

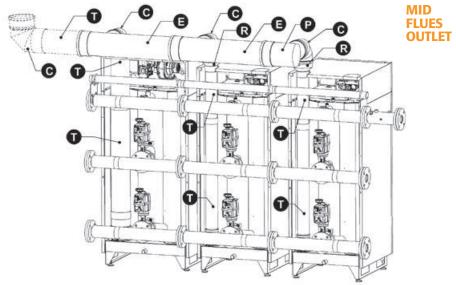
# > CASCADE INSTALLATION WATER AND GAS ACCESSORIES MATCHING

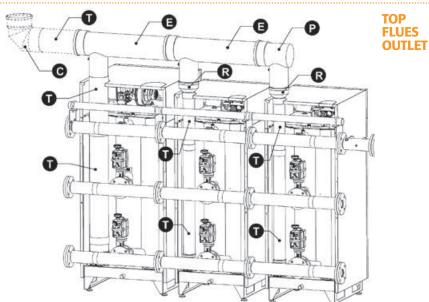
					G	G	G	-1	I	I	S	S	S	F	F	F	В	В	Α	Α	Α	V	V	
					1"1/2 gas manifold	2" gas manifold	2" 1/2 gas manifold	2" water manifold	2"1/2 water manifold	4" water manifold	2" safety accessories manifold	2"1/2 safety accessories manifold	4" safety accessories manifold	2" flange kit	2" 1/2 flange kit	ge kit	F-F coupling 1"1/4	F-F coupling 2"	2"-1"1/2 M-F reduction nipples	DN50 flange - 1"1/4 connection	DN65 flange - 2" connection	valve	valve	
						).·		1 1	1 9	N.			ĝ			4" flange kit	4	8	9	િ	93)	DN50 valve	DN65 valve	
HEAT INPUT kW	QUA	MODULES QUADRIFOGLIO B		MANI- FOLD	042050X0	042051X0	042052X0	042053X0	042054X0	042055X0	042056X0	042057X0	042058X0	042059X0	042060X0	042061X0	042062X0	042063X0	042064X0	042065X0	042066X0	052000X0	052001X0	
					nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	
131,0	70	70	_	Gas Flow	2			2			1			1			2							
131,0	,,,	70		Return				2						1						4		2		
181,5	70	125	-	Gas Flow	2			2			1			1			2							
				Return Gas	2			2						1						4		2		
232,0	125	125	-	Flow	2			2			1			1			2							
				Return Gas	3			2						1						4		2		
247,0	70	70	125	Flow				3			1			1			3							
				Return Gas	3			3						1						6		3		
297,0	70	125	125	Flow				3			1			1			3					_		
				Return Gas		2		3						ı						6		3		
323,0	125	220	-	-	Flow Return					2			1			1			2	1		4		2
				Gas		3									,						7		2	
348,0	125	125	125	Flow Return					3			1			1			3	3		6		3	
				Gas		2																		
414,0	220	220	-	Flow Return					2			1			1			2			4		2	
439,0	125	125	220	Gas Flow		3			3			1			1			3	2					
433,0	123	123	220	Return					3						1			3	2		6		3	
506,0	125	220	220	Gas Flow		3			3			1			1			3	1					
·				Return					3						1				1		6		3	
530,0	220	320	-	Gas Flow			2			2			1		1	1					1			
				Return Gas			2			2					1	1					1		2	
598,0	320	320	-	Flow			2			2			1		,	1								
				Return Gas			3			2					1	1							2	
621,0	220	220	220	Flow						3			1			1					3			
				Return Gas			3			3					1	1					3		3	
713,0	320	220	220	Flow						3			1			1					2			
				Return Gas			3			3					1	1					2		3	
818,0	320	320	220	Flow						3			1			1					1		7	
				Return Gas			3			3					1	ı					1		3	
897,0	320	320	320	Flow Return						3			1			1							3	

## > CASCADE INSTALLATION

**FLUES MANIFOLD** 







## DESCRIPTION OF CASCADE ACCESSORIES

- **C** 90° bend, PPs, with gaskets
- **E** Flues manifold, PPs, including gaskets
- P One side-blind flues manifold, including condensate siphon
- **R** Reduction for connection top flues manifold/vertical flue pipe
- T Vertical pipe for connection from stack to top flues manifold

# > CASCADE INSTALLATION FLUES MANIFOLD MATCHING

					Р	Р	Р	Е	Е	Е	T	T	T	Т	T	T	T	С	С	С	С	R	R	
					anifold	anifold	anifold	anifold iler)	anifold iler)	anifold iler)	Ø 300, PPs	Ø 200, PPs	0,5 mt MF pipe, Ø 300, PPs	Ø 160, PPs	0,5 mt MF pipe, Ø 160, PPs	Ø 100, PPs	0,5 mt MF pipe, Ø 100, PPs	Ø 300	Ø 200, PPs	Ø 160, PPs	Ø 100, PPs	Ø 160 - 200 MF reduction, PPs	Ø 100 - 160 MF reduction, PPs	
					Ø 300 flue manifold (first boiler)	Ø 200 flue manifold (first boiler)	Ø 160 flue manifold (first boiler)	Ø 300 flue manifold (additional boiler)	Ø 200 flue manifold (additional boiler)	Ø 160 flue manifold (additional boiler)	1 mt MF pipe, Ø 300, PPs	1 mt MF pipe, Ø 200, PPs	0,5 mt MF pip	1 mt MF pipe, Ø 160, PPs	0,5 mt MF pip	1 mt MF pipe, Ø 100, PPs	0,5 mt MF pip	90° MF bend, Ø 300	90° MF bend, Ø 200, PPs	90° MF bend, Ø 160, PPs	90° MF bend, Ø 100, PPs	Ø 160 - 200 N	Ø 100 - 160 N	
						S T		1		F										E			7	
HEAT INPUT kW		MODULE DRIFOG	LIO B	FLUE GAS EVACUATION	041070X0	041068X0	041066X0	041071X0	041069X0	041067X0	041063X0	041062X0	041076X0	041018X0	041074X0	041073X0	041072X0	041061X0	041060X0	041015X0	041077X0	041080X0	041079X0	
					nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	F
				Low			1			1											2			
131,0	70	70	-	Medium High			1			1						2	2				2			
181,5	70	125		Low Medium			1			1						2	2				2			
101,3	70	123		High			1			1						2	2							
232,0	125	125		Low Medium			1			1						2	2				2			
				High			1			1						2	2							
247,0	70	70	125	Low Medium			1			2						3	3				3			
				High Low			1			2 2						3	3				3			
297,0	70	125	125	Medium			1			2						3	3				3			
				High Low		1	1		1	2						3	3			2			1	
323,0	125	220	-	Medium		1			1					1	2	1	1			2			1	
				High Low		1			2					'	2	1				3			3	
348,0	125	125	125	Medium High		1			2							3	3			3			3	
			-	Low		1			1											2				
414,0	220	220		Medium High		1			1					2	2					2				
/30 O	125	125	220	Low Medium		1			2					1	1	2	2			3			2	
439,0	125	125	220	High		1			2					1	2	2	2						2	
506,0	125	220	220	Low Medium		1			2					2	2	1	1			3			1	
				High	,	1		,	2					2	4	1	1		2			,	1	
530,0	220	320	-	Low Medium	1			1				1	1		3				2			1		
				High Low	1			1				1	1		3				2			1		
598,0	320	320	-	Medium	1			1				2	2						2					
				High Low	1			1 2				2	2						3			3		
621,0	220	220	220	Medium	1			2							9				3			3		
				High Low	1			2							9				3			2		
713,0	320	220	220	Medium High	1			2 2				1	1		6 6				3			2 2		
				Low	1			2											3			1		
818,0	320	320	220	Medium High	1			2				2	2		3				3			1		
807.0	320	720	<b>720</b>	Low Medium	1			2				3	3						3					
897,0	320	320	320	Medium	1			2				3	3						3					



### NOTICE FOR DEALERS:

As part of its efforts to constantly improve its range of products, with the aim of increasing the level of customer satisfaction, the company stresses that the appearance, dimensions, technical data and accessories may be subject to variation.

Consequently, ensure that the customer is provided with up-to-date technical and/or sales documents.

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