ZENA PLUS

WALL-HUNG GAS BOILERS



ZENA PLUS MSL 24, 31 FF, ZENA PLUS MSL 24, 28, 31 MI FF



ZENA PLUS MSL 24, 31 FF + SRB 130



ZENA PLUS MSL 24, 31 FF + BMR 80

- · MSL... FF
- from 9.3 to 31 kW for heating only
- MSL... FF + BMR 80 and MSL... FF + SRB 130 from 9.3 to 31 kW for heating and DHW produced by an 80-litre calorifier placed beside the boiler, or a 130-litre calorifier placed under the boiler
- · MSL...MI (FF)

from 9.3 to 31 kW for heating and instantaneous DHW



MSL 24, 31 FF: Heating only



MSL...MI OF MSL 24, 31 FF

+ BMR 80 Or SRB 130: Heating and domestic hot water produced by an integrated or independent calorifier or instantaneous DHW



Low temperature





All natural gases Propane

OPERATING CONDITIONS

Max. operating pressure: 3bar Max. operating temp.: 95°C Safety thermostat: 105°C Thermostat adjustable from 30 to 85°C Protection rating: IP X5D

ноmologation

- MSL 24 MI : B_{11BS} MSL 24, 28, 31 MI FF, MSL 24, 31 FF : C_{12x} C_{32x} C_{42x} C₅₂ C_{82x} B₂₂

cas category

All natural gases, propane

Boilers available:

- For connection to a chimney: MSL 24 MI
- For horizontal or vertical forced flue connection or Bi-flow (C₅₂): MSL 24, 28, 31 MI FF-MSL 24, 31 FF

Fully equipped boilers, including an easy-to-use, functional electronic control panel as standard to control a direct circuit and a DHW circuit. As optional equipment, this panel can be completed with a control system offering two comfort levels: either by room temperature thermostat and/or by outside sensor.



PRESENTATION

The ZENA PLUS MSL... boilers are delivered fully assembled and factory tested. They are pre-fitted to run on natural gases and can be converted to propane using a conversion kit (optional); they are available for various types of connection: chimney, forced flue (FF) (see next page).

The MSL 24 FF and 31 FF boilers are small-scale boilers (780 x 450 x 345 mm) for heating only, equipped as standard with a heating/DHW reversal valve allowing the connection of an independent domestic hot water calorifier, two types of calorifier are available:

- 80-litre BMR 80 calorifier to be juxtaposed to the right or left of the boiler: MSL 24, 31 FF... + BMR 80
- 130-litre SRB 130 floor standing calorifier under the boiler: MSL 24, 31 FF... + SRB 130

The MSL 24, 28, 31 MI FF and MSL 24 MI boilers are small-scale boilers (780 x 450 x 345 mm) with production of instantaneous DHW thanks to a large stainless steel plate exchanger.

HIGH PERFORMANCE

- 3-star efficiency rating for the forced flue versions, 2-star for the chimney versions
- NOx class 3 in accordance with EN 297 A3 for the chimney version, EN 483 the forced flue versions (FF).

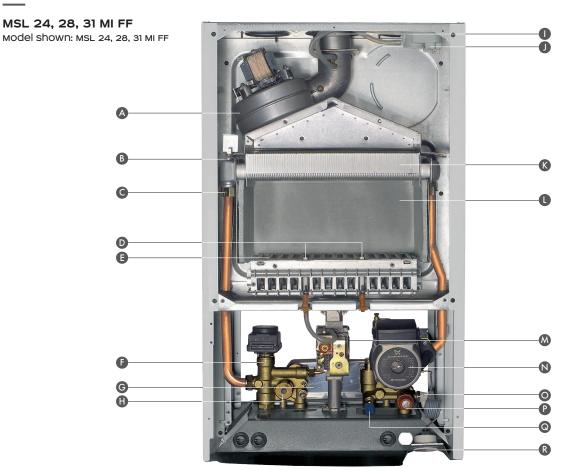
STRONG POINTS

- Primary exchanger in copper coated with aluminium silicone paint increasing its heat resistance;
- Gas valve with external modulator and double safety solenoid valve;
- Atmospheric burner with stainless steel burner trains;
- Electronic ignition and ionisation flame check;
- Digital display direct access electronic control panel used as standard to control a direct circuit and a DHW circuit (optional sensor for MSL 24, 31 FF models); Possibility of controlling circuit by adding a room temperature thermostat and/or an outside sensor (options);
- Hydroblock in brass incorporating the 3-speed heating pump, with automatic vent, the automatic by-pass, the heating/DHW reversal valve fitted to the return, the water pressure switch, the drain cock, the disconnector, the 3-bar heating safety valve, the pressure gauge, the stainless steel plate exchanger and the turbine flow detector for measuring the DHW flow rate on MSL...MI;
- Anti-overflow thermostat on "chimney" version;
- Extraction fan and air pressure switch on FF;
- 8-litre heating expansion vessel on MSL 24... and 10-litre on MSL 28/31...;
- Wall-hanging bracket provided.

MODELS

	EASYLIFE		CONNECTION TYPE	MODEL	USEFUL OUTPUT RANGE (KW
-0000 C		For heating only	Forced flue	MSL 24 FF MSL 31 FF	9.3-25 9.3-31
т С В В	=	For heating and instantaneous	Chimney	MSL 24 MI	9.3-25
·‱ C		domestic hot water production	Forced flue	MSL 24 MI FF MSL 28 MI FF MSL 34 MI FF	9.3-24 10.4-28.1 10.4-31
·))) C		For heating and domestic hot water production by 80-litre calorifier positioned to the right or left of the boiler	Forced flue	MSL 24 FF + BMR 80 MSL 31 FF + BMR 80	9.3-24 10.4-31
· (iii) C	<u>.</u>	For heating and domestic hot water production by 130-litre calorifier placed under the boiler	Forced flue	MSL 24 FF + SRB 130 MSL 31 FF + SRB 130	9.3-24 10.4-31

DESCRIPTION

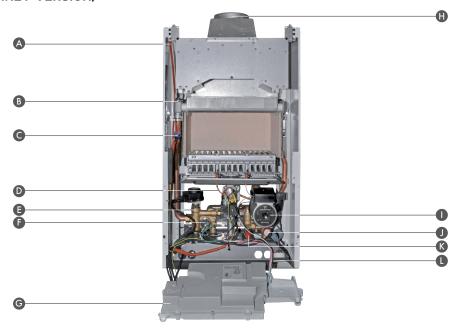


- A Extractor fan
 B Safety thermostat
 C Heating temperature sensor
 D Ignition and ionisation electrode
 E Atmospheric gas burner with stainless steel trains
 F Motorized heating/DHW reversal valve in brass
- G Stainless steel plate exchanger for instantaneous DHW production (MSL... MI only)
 H Water pressure switch
 I Air/flue gas connection Ø 60/100 mm
 J Air pressure switch
 K Primary exchanger in copper

- Combustion chamber

- M Gas valve
 N 3-speed heating pump with air separator
 O Drain valve
 P 3 bor safety valve
 Q Filling valve
 R Pressure gauge

MSL 24 MI (CHIMNEY VERSION)



- A Flue gas thermostat B Safety thermostat C Heating temperature sensor D Gas valve

- E Motorised heating/DHW reversal valve in brass F Water pressure switch G Control panel in tilted position H Flue gas nozzle Ø 120 mm

- I 3-speed heating pump with air separator J 3 bar safety valve K Filling valve L Pressure gauge

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

BOILER

Boiler type:

 low temperature Energy used:

natural gas or propane

Burner:
• MSL 24 MI:

atmospheric without fan

• MSL 24, 28, 31 MI FF, MSL 24, 31 FF: atmospheric with fan

 ${\sf Evacuation:}$

• MSL 24 MI: chimney

• MSL...FF: forced flue

Minimum flow temp.: 30° C Minimum return temp.: 20°C

MODEL		MSL	24 FF	31 FF	24 MI	24 MI FF	28 MI FF	31 MI FF
Nominal useful output Pn (heating and DHW mode)	kW	25	31	25	25	28.1	31
Efficiency in % Pci,	100 % Pn - 70 °C	%	92.9	93.1	91.2	92.9	93.1	93.1
at load % Pn and average temp °C	30 % Pn - 40 °C	%	90.2	90.8	90.3	90.2	90.8	90.8
Nominal water flow rate	Nominal water flow rate at Pn, $\Delta t = 20 \text{ K}$		1.07	1.33	1.03	1.07	1.2	1.33
Min. useful output (heating and DHW modes)		kW	9.3	10.4	9.3	9.3	10.4	10.4
Manometric height availa	Manometric height available heating circuit		250	240	250	250	290	240
Water content	Water content		1.4	1.4	1.4	1.4	1.4	1.4
C (I ++ D	• Natural gas H	m³/h	2.84	3.52	2.78	2.84	3.18	3.52
Gas flow rate at Pn	• Propane	m³/h	2.09	2.59	2.04	2.09	2.34	2.59
Draught required at the n	ozzle	mbar	-	-	0.05 to 0.1	-	-	-
Mass flue gas flow rate a	Mass flue gas flow rate at Pn		61.2	68.4	68.4	61.2	61.2	68.4
Weight empty		kg	38	38	33	38	40	40

DOMESTIC HOT WATER PRODUCTION

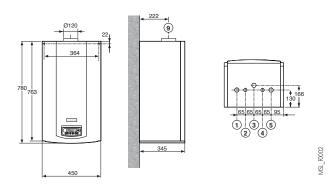
MODEL	MSL	24 MI	24 MI FF	28 MI FF	31 MI FF	24 FF + BMR 80	24 FF + SRB 130	31 FF + BMR 80	31 FF + SRB 130
DHW calorifier capacity	I	-	-	-	-	75	125	75	125
Exchanged output	kW	24	25	28	31	25	25	31	31
Flow rate over 10 min at $\Delta t = 30 \text{ K}$	1/10 min	-	-	-	-	215	266	240	301
Flow rate per hour at $\Delta t = 35 \text{ K}$	l/h	588	612	684	762	614	614	762	762
Specific flow rate at $\Delta t = 30$ K (in accordance with EN 13203	l/min	10.7	11.5	12.5	13.7	21 .5	26.6	24	30.1
Weight empty	kg	33	38	40	40	86	106	88	108

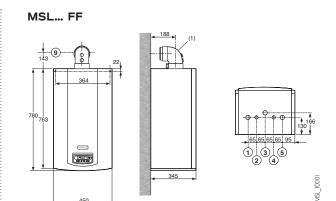
MSL...MI (FF): DHW performance at room temp. 20°C, cold water temp. 10°C, primary hot water temp. 85°C. MSL 24 FF, MSL 31 FF: DHW performance at room temp. 20°C, cold water temp. 10°C, primary hot water temp. 80°C, storage temp. 60°C.

TECHNICAL SPECIFICATIONS

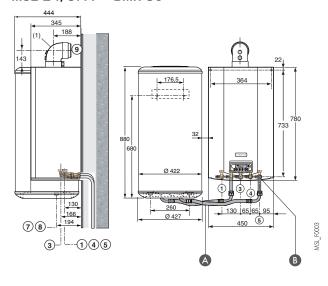
PRINCIPAL DIMENSIONS (in mm and inches)

MSL 24 MI





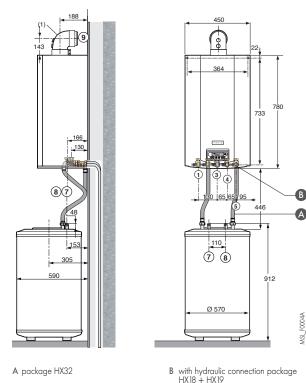
MSL 24, 31 FF + BMR 80



A package HX33

B with hydraulic connection package HX18 + HX19

MSL 24, 31 FF + SRB 130



LEGEND

- ① Heating flow G 3/4"
- 2 MSL 24 MI: domestic hot water outlet G 1/2" MSL 24, 31 FF: primary calorifier flow (if one exists) G 3/4" MSL 24, 28, 31 MI FF: domestic hot water outlet G 1/2"
- 3 Gas inlet G 3/4"
- 4 MSL 24 MI: domestic cold water inlet G 1/2" MSL 24, 31 FF: cold water inlet (boiler filling) G 1/2" MSL 24, 28, 31 MI FF: domestic cold water inlet G 1/2"
- (5) MSL 24 MI: heating return G 3/4"

MSL 24, 31 FF: heating return and primary calorifier return (if one exists) G 3/4" MSL 24, 28, 31 MI FF: heating return G 3/4"

- MSL 24 MI: Ø 120 mm MSL 24, 28, 31 MI FF: Ø 60/100 mm
- (1) Shown with 90° elbow delivered with the horizontal terminal in option (see page 8)

CONTROL PANEL

The control panel fitted to MSL... boilers is an electronic control panel with digital display, which can be accessed directly on the boiler fascia.

It is used as standard for the automatic control of a direct circuit and a DHW circuit, adapting the boiler's output to the user's actual needs thanks to temperature control by two NTC sensors. It provides antifreeze protection for both circuits below a flow temperature of 5°C.

It can be completed by a control system based on the outside temperature (optional sensor) and/or a room temperature thermostat (options – see below).

Moreover, the control panel incorporates a complete troubleshooting system that can be viewed on the display unit, and a system to prevent gumming of the heating pump and the heating/DHW reversal valve.



CONTROL PANEL OPTIONS



PROGRAMMABLE HARD-WIRED DIGITAL ROOM TEMPERATURE THERMOSTAT - PACKAGE AD337

PROGRAMMABLE WIRELESS DIGITAL ROOM TEMPERATURE THERMOSTAT - PACKAGE AD338

PROGRAMMABLE HARD-WIRED ROOM TEMPERATURE THERMOSTAT (230V) - PACKAGE AD345

NON-PROGRAMMABLE ROOM TEMPERATURE THERMOSTAT - PACKAGE AD140

The programmable thermostats handle the control and weekly programming of the heating by activating the burner in accordance with the various operating modes: «Automatic» according to the programme, «Permanent» at a set temperature or «Holidays».

The «wireless» versions are delivered with a receiver box to be affixed to the wall close to the boiler. The non-programmable thermostat is used to regulate the room temperature according to the instruction given by activating the burner.



RELAY CARD - PACKAGE HX61

Configurable relay card to connect to the control panel interface. It is equipped with two relay outputs and an ON / OFF input.



DOMESTIC HOT WATER SENSOR - PACKAGE HX52

The domestic hot water sensor is used to apply priority regulation to DHW production by an independent calorifier.



OUTSIDE SENSOR - PACKAGE HX31

The outside sensor can be used alone or in combination with the room temperature thermostats.

OTHER OPTIONS

HYDRAULIC CONNECTION ACCESSORIES: FOR A NEW INSTALLATION

PACKAGE TO ORDER:

• for MSL 24, 31 FF:

Hydraulic connection kit: Package HX18 or Complete hydraulic kit HX18 + HX19 (with water and gas valves)

Hydraulic connection plate: Package HX62



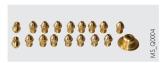
• for MSL... MI (FF):

Hydraulic kit HX19 (with water and gas valves) or Hydraulic connection plate: Package HX62





The hydraulique connection plate can be pre-installed and thus enable the installer to make all hydraulic connections, prime the installation with water and check for tightness in advance and only put the boiler in place at the last moment.



BMR 80 SRB 130

PROPANE CONVERSION KIT

- · FOR MSL 24... PACKAGE HX53
- · FOR MSL 28/31... PACKAGE HX54

BMR 80 DOMESTIC HOT WATER CALORIFIER - PACKAGE EE53
BMR 80/MSL... CONNECTING KIT - PACKAGE HX33
SRB 130 DOMESTIC HOT WATER CALORIFIER - PACKAGE EE81
SRB 130/MSL... CONNECTING KIT - PACKAGE HX32

BMR 80 and SRB 130 domestic hot water calorifiers are high performance calorifiers. They are protected inside by food quality standard high quartz content vitrified enamel and by a magnesium anode.

The specifications of these calorifiers combined with MSL... boilers are given on page 4.

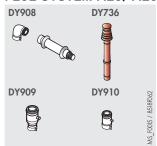
The boiler/water calorifier connection kit available include rigid and/or flexible connection pipes between the boiler and the calorifier.

INFORMATION REQUIRED

FOR INSTALLATION

FLUE SYSTEM ACCESSORIES SPECIFIC TO MSL... FF

FLUE SYSTEM ALU/ ALU



- · ALUMINIUM HORIZONTAL FLUE GAS TERMINAL:
- Ø 60/100 mm PACKAGE DY908
- Ø 80/125 mm PACKAGE CX119
- Ø 80/125 mm PACKAGE DY735 (BLACK) OR DY736 (RED)
- ALUMINIUM ADAPTER/CONDENSATES RECUPERATOR Ø 60/100 TO Ø 80/125 mm - PACKAGE DY909
- · ALUMINIUM CONDENSATES RECUPERATOR Ø 60/100 MM PACKAGE DY910

FLUE SYSTEM ALU/COATED SHEET METAL



- HORIZONTAL TERMINAL+ELBOW Ø 60/100 PACKAGE DY448 (ONLY FOR 24 KW EXECUTIONS)
- · HORIZONTAL TERMINAL Ø 60/100 mm PACKAGE HX55
- · START ELBOW 90° Ø 60/100 mm PACKAGE HX58
- · CONCENTRIC EXTENSION Ø 60/100, LENGTH 1000 MM PACKAGE HX56
- · CONCENTRIC EXTENSION Ø 60/100, LENGTH 500 MM PACKAGE HX57
- · CONCENTRIC ELBOW 90° Ø 60/100 PACKAGE HX59
- · CONCENTRIC ELBOW 45° Ø 60/100 PACKAGE HX60



BI-FLOW BOILER CONNECTION KIT - PACKAGE HX30

Used to connect the chimney in configuration C52.



IMPORTANT NOTE: Alu/ Alu Flue system and Alu/coated sheet metal flue system cannot be mixed in a installation

STATUTORY INSTRUCTIONS ON INSTALLATION AND MAINTENANCE

Installation and maintenance of the appliance, whether in a residential building or in a building open to the public, must be carried out by a qualified professional in compliance with the statutory texts and codes of practice in force.

IMPLANTATION

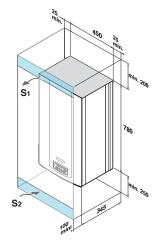
Installation must be done in accordance with the prevailing codes of practice, orders and standards.

MSL boilers can be installed at any point in a housing unit leven on a balconyl protected from frost, which can be ventilated. They must in no event be installed above a heat source or a cooking appliance. The IP X5D protection rating means that they can be installed in a kitchen or bathroom. The wall to which the boiler is secured must be capable of bearing the weight of the boiler when full of water. In order to ensure adequate accessibility around the boiler, we recommend that you respect the minimum dimensions given opposite.

VENTILATION (MSL 24 MI ONLY)

This must comply with prevailing regulations.

MINIMUM DIMENSIONS



ASL_F0010



In order to avoid damage to boilers, it is necessary to prevent the contamination of combustion air by chloride and/or fluoride compounds, which are particularly corrosive.

These compounds are present, for example, in aerosol spray cans, paints, solvents, cleaning products, washing powders/liquids, detergents, glues, snow clearing salts, etc.

It is therefore necessary:

- To avoid taking in air discharged from premises using such products: hairdressers, dry cleaners, industrial premises (solvents), premises containing refrigeration systems (risk of leaking refrigeration fluid), etc.
- To avoid the storage of such products close to the boiler.

Please note that, if the boiler and/or its peripherals become corroded by chloride and/or fluoride compounds, our contractual warranty cannot be invoked.

INFORMATION REQUIRED

FOR INSTALLATION

AIR/FLUE GAS CONNECTION (MSL... FF ONLY)

For the installation of the air/flue gas pipes and the rules on installation, see the «Flue Systems» booklet. For details of the various configurations, see the «Flue Systems» booklet or the current Product Catalogue.

Ø 80/125 mm

CLASSIFICATION

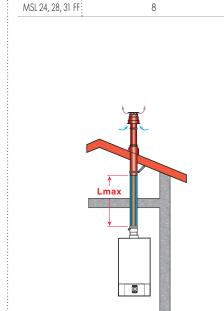
MSL... FF wall-hung gas boilers are forced flue appliances to be connected according to one of the following suggested configurations:

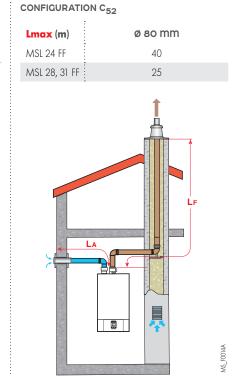
Lmax (m)

CONFIGURATION C32X

CONFIGURATION C _{12X}							
Lmax (m)	ø 60/100 mm	ø 80/125 mm					
MSL 24 (MI) FF	5	9					
MSL 28 MI FF	4	8					
MSL 31 (MI) FF	3	7					

Lmax





Lmax = La + LF La max = 10 m

GAS CONNECTION

Compliance with prevailing instructions and regulations is mandatory. In all cases, a sectional valve is fitted as close as possible to the boiler. This sectional valve is fitted with the package HX 19 available in option. A gas filter must be fitted to the boiler inlet.

Gas supply pressure:

- 20 mbar on natural gas H, 25 mbar on natural gas L,
- 37 mbar on propane.

ELECTRICAL CONNECTION

MSL... boilers are delivered pre-fitted with a mains connection cable. The electrical connection must comply with the relevant standard. The boiler must be powered by an electrical circuit comprising an omnipolar switch with an opening gap > 3 mm. Protect the connection to the mains with a 6A fuse.

Note:

- The sensor cables must be separated from the 230 V circuits by at least 10 cm;
- In order to protect the pump antifreeze and cleaning functions, we recommend not switching off the boiler at the mains switch.

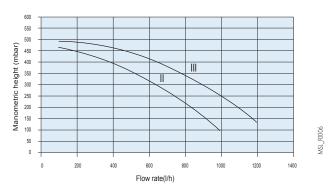
HYDRAULIC CONNECTION

MSL boilers must only be used in closed circuit heating installations. The central heating systems must be cleaned to eliminate the debris (copper, strands, brazing flux) linked to the installation of the system and deposits that can cause malfunctions (noise in the system, chemical reaction between metals). More particularly, if a boiler is added to an existing installation, it is necessary to rinse this installation thoroughly to prevent sludge being transferred into the new boiler. Furthermore, it is important to protect central heating systems against corrosion, scaling and microbiological growth by using a corrosion inhibitor suitable for all types of system (steel, cast iron radiators, underfloor heating, PER) The treatment products used in the heating water must be approved.

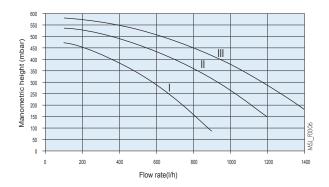
INFORMATION REQUIRED

FOR INSTALLATION

MANOMETRIC HEIGHT OF THE HEATING CIRCULATOR PUMP FITTED TO MSL 24 MI FF/MSL 24 FF/MSL 24 MI BOILERS



MANOMETRIC HEIGHT OF THE HEATING CIRCULATOR PUMP FITTED TO MSL 28 MI FF/MSL 31 FF/MSL 31 MI FF BOILERS

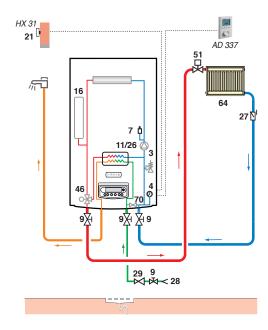


EXAMPLES OF INSTALLATIONS

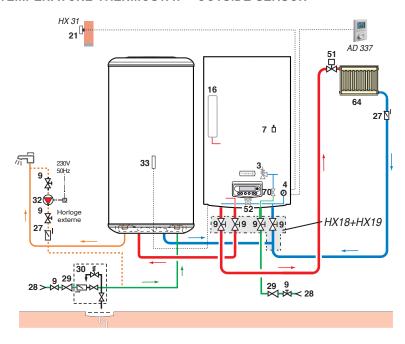
The examples presented below cannot cover the full range of installation scenarios which may be encountered. Their purpose is to draw your attention to the basic rules to be followed. A certain number of control and safety devices (some of which are already integrated as standard in MSL boilers) are represented but it is ultimately up to the installers, experts, consultant engineers and design departments to take the final decision on the safety and control devices to be used in the boiler room according to its specificities. In all cases, it is necessary to abide by the codes of practice and prevailing regulations.

Attention: For the connection of domestic hot water, a sleeve made of steel, cast iron or any other insulating material must be interposed between the hot water outlet and these pipes to prevent any corrosion to the connections, if the distribution pipes are made of copper.

MSL 24 MI (FF) WITH 1 DIRECT CIRCUIT, CONTROLLED BY 1 ROOM THERMOSTAT + OUTSIDE SENSOR



MSL 24 (FF) + BMR 80 WITH 1 DIRECT CIRCUIT + 1 DOMESTIC HOT WATER CIRCUIT, CONTROLLED BY A HARD-WIRED ROOM TEMPERATURE THERMOSTAT + OUTSIDE SENSOR



LEGEND

- 3 3-bar heating safety valve
- 4 Pressure gauge
- 7 Automatic air vent
- 8 Manual air vent
- 9 Isolation valve
- 10 3-way mixing valve
- 11 Heating pump
- 16 Expansion vessel

- 21 Outside sensor
- 26 Domestic water load pump
- 27 Non-return valve
- 28 Domestic cold water inlet
- 29 Pressure reducer
- 30 Sealed safety device calibrated to 7 bar
- 32 (Optional) DHW looping pump
- 33 DHW temperature sensor

- 46 2-position 3-way directional valve
- 51 Thermostatic valve
- 52 Differential safety valve
- 55 DHW safety valve calibrated and sealed to 7 bar
- 64 Radiator circuit (gentle heat radiators, for example)
- 70 Filling tap

F5000

ZENA MSL...

Brand: De Dietrich Range: Zena PLUS Model:

- MSL 24 MI for heating and instantaneous DHW and connecting to a chimney
- MSL 24, 31 FF for heating only with integrated heating/DHW reversal valve and connecting to a forced flue
- MSL 24, 28, 31 MI FF for heating and instantaneous DHW and connecting to a forced flue
- MSL 24/31 FF + BMR 80/SRB 130 for heating and DHW by 80-1 juxtaposed calorifier/130-1 calorifier placed under the boiler

Nominal heating output at 80/60 C: 24 kW

Min. heating output at 80/60°C: 9.3 kW (10.4 kW with MSL 28 MI and 31 MI) Gas used: natural gases - propane (with optional conversion kit)

Gas flow rate: m³/h
Max. operating temperature: 85°C
Max. operating pressure: 3 bar
Water content: 1.4 litres
Safety thermostat: 105°C
Dimensions (L x x p): 450 x 780 x 345 mm
Gas inlet: G 3/4
Ø Heating flow/return: G 3/4
Ø DHW flow/return: G 1/2
Ø chimney flue gas nozzle: Ø 120 mm
Ø air/flue gas FF: Ø 60/100 mm
Shipping weight:kg

mbar

DESCRIPTION

- Complies with the requirements of European Directives
- \bullet Homologation: B22-C12x-C32x-C42x-C52-C82x (FF versions)
- Type: B_{11BS} («chimney» version)
- Chimney and forced flue model
- Protection rating IP X5D
- Heating body in finned copper
- Modulation from 9.3 (10.4) to 24 (31) kW
- 8-litre expansion vessel for MSL 24... and 10-litre for MSL 28/31... versions
- Integrated flow/return by-pass
- Ignition and flame monitoring by ionisation electrode

 LCD control panel, troubleshooting system 	• LCD	control	panel.	trouble	eshootina	svstem
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- Mechanical pressure gauge and low water pressure switch
- · Control according to outside conditions available as optional
- Hydroblock in brass
- Full equipment: safety valve, 3-speed circulating pump, disconnector, automatic
- MSI MI (FF)

Gas pressure.

- Over-sized plate exchanger for the preparation of domestic hot water
- Specific flow rate at ΔT 30 K: 13.7 I/min (MSL 31 MI FF)

Combi boilers for Chimney connection:		
• MSL 24 MI	HX42	7116254
Combi boilers for forced flue connection:		
MSL 24 MI FF	HX41	7116249
MSL 28 MI FF	HX43	7116250
MSL 31 MI FF	HX44	7116251
MSL 24 MI FF LPG	HX136	7735773
MSL 28 MI FF LPG	HX137	7735774
MSL 31 MI FF LPG	HX138	7735775
Solo boilers for forced flue connection:		
• MSL 24 FF	HX40	7116252
• MSL 31 FF	HX45	7116253

COLIS

RÉF.

HYDRAULIC CONNECTION ACCESSORIES AND OPTIONS

To be chosen depending on whether it is a standard new installation, with mounting column, or replacement of an existing boiler:

- Complete hydraulic connection plate
- Basic hydraulic kit

BOILER OPTIONS

• Propane conversion kit

FLUE SYSTEM OPTIONS FOR MSL... FF

- Aluminium horizontal flue gas terminal \varnothing 60/100 mm
- Aluminium horizontal flue gas terminal \varnothing 80/125 mm
- Aluminium vertical flue gas terminal \varnothing 80/125 mm
- Aluminium adapter/condensates recuperator Ø 60/100 mm to Ø 80/125 mm
- Condensates recuperator Ø 60/100 mm
- Bi-flow connection kit

CONTROL SYSTEM OPTIONS

- Non-programmable room temperature thermostat
- Programmable hard-wired or radio-controlled room temperature thermostats
- Outside sensor
- DHW sensor
- Relay card



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