



# High-Performance Packaged Boiler

Australia's largest certified  
package boiler company.



**The Environmental  
Group Limited**  
*Engineering a Sustainable Future*

The Environmental Group Limited

[www.environmental.com.au](http://www.environmental.com.au)

# Working across the **Circular Economy**

## Our Purpose

Engineering a sustainable future.

## Our Mission

To enable our clients to contribute to a cleaner environment by safely delivering pivotal solutions while generating value for our shareholders, staff, and partner industries.

## Our Team

Our local experts are dedicated to reducing waste and boosting energy performance. Trusted worldwide to provide the highest standards of service and support.

# Tomlinson Energy Services

*Part of The Environmental Group*

Tomlinson Energy Services is Australia's leading provider of packaged boiler solutions, delivering the highest combustion efficiency to keep operating costs low and performance high.

We specialise in custom design, installation, commissioning, and national servicing and repairs, complemented by our 24/7 emergency support.

With offices and a dedicated service team across Australia, Tomlinson Energy Services ensures boilers operate at peak performance for maximum efficiency and reliability.



**Heat.**  
**Reliable and  
efficient.**

[Learn more about Weishaupt](#) >



– **weishaupt** – 

# Offering Industry Leading Burners

**Weishaupt** produces gas and oil-fired boilers, heat pumps, and burners. These top-quality products are characterised by their meticulous development, high-quality workmanship, outstanding operational reliability, and maximum Efficiency. Their unrivalled excellence extends equally to design and function.

# WEISHAUPT DUAL FUEL BURNERS WGL30-C AND WGL40-A



## Digital dual-fuel burners

Weishaupt dual-fuel burners, WGL30 and WGL40 (70–550 kW)

## A hallmark of practical combustion technology

### A safe investment in the future

Reliable and economical: The million-fold success of Weishaupt's compact burners is the result of an unrelenting orientation towards quality and customer satisfaction. The equipment has been continually developed and improved over decades.

The latest production methods and very stringent quality checks of all products ensure Weishaupt's reputation for quality. In choosing Weishaupt you are making a safe investment in the future.

The WGL slots seamlessly into the range of W-series burners, bringing all the advantages of that product family together with additional fuel flexibility.

### Large capacity range

The burners' capacity ranges of 70 to 340 kW and 125 to 550 kW make them both suitable for a wide range of heat generators.

### Digital combustion management for reliability and ease of use

Weishaupt is a pioneer in this field. Digital combustion management offers greater ease of use, simple servicing, even greater reliability in operation, and, last but not least, an extremely attractive price to capacity ratio. Furthermore, this intelligent technology enables the burner to be integrated with complex building management systems.

### Electronic ignition

The ignition unit used on all Weishaupt W-series burners is very energy efficient and extremely reliable.

### Flame monitoring

Flame monitoring systems are responsible for the high operational readiness and maximal safety of the burner.

Weishaupt WGL burners use an infrared flicker detector that can monitor both gas and oil flames.

### Gas multifunction assembly

The burner's gas multifunction assembly incorporates the following components and functions:

- Servo-controlled governor to ensure a continual gas pressure
- 2 Class-A solenoid valves
- Filter
- Gas pressure switch

If the gas pressure falls too low, a low gas pressure program is started. The gas pressure switch also provides automatic valve proving.

### Valve proving as standard with the W-FM 25 combustion manager

The low gas pressure switch is used to check the tightness of the gas valves, thereby providing valve proving without the need for any additional components or costs.

### O<sub>2</sub> trim

The various options available with the W-FM25 series of combustion managers bring the latest technology to the compact burner segment. Innovative technology enables efficiency-optimising measures such as O<sub>2</sub> trim to be produced more cost effectively. With these technologies it is possible for investments in burners to be quickly amortised.

### Diagnosis via laptop

A laptop computer can be connected to the combustion manager, offering easy combustion optimisation and fault analysis. A package of interrogation software and connection cables is available for this.

### Outstanding service

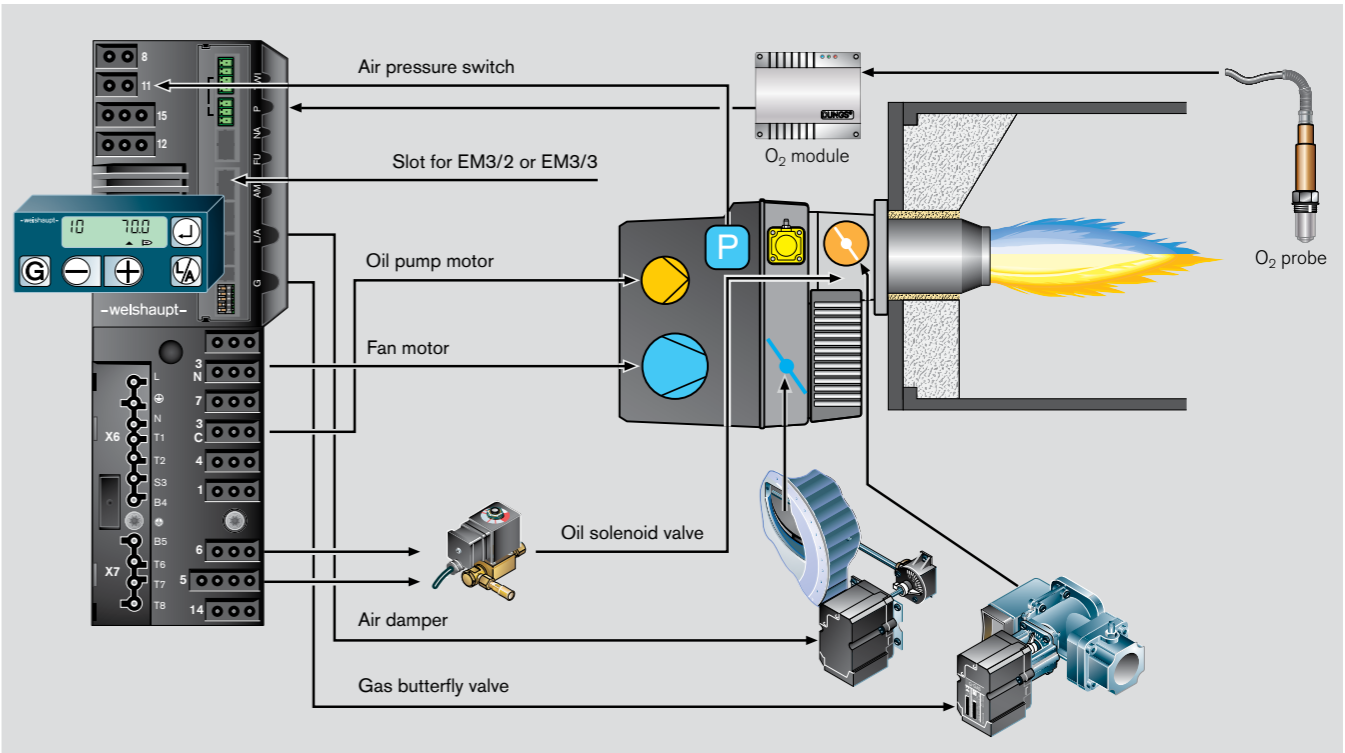
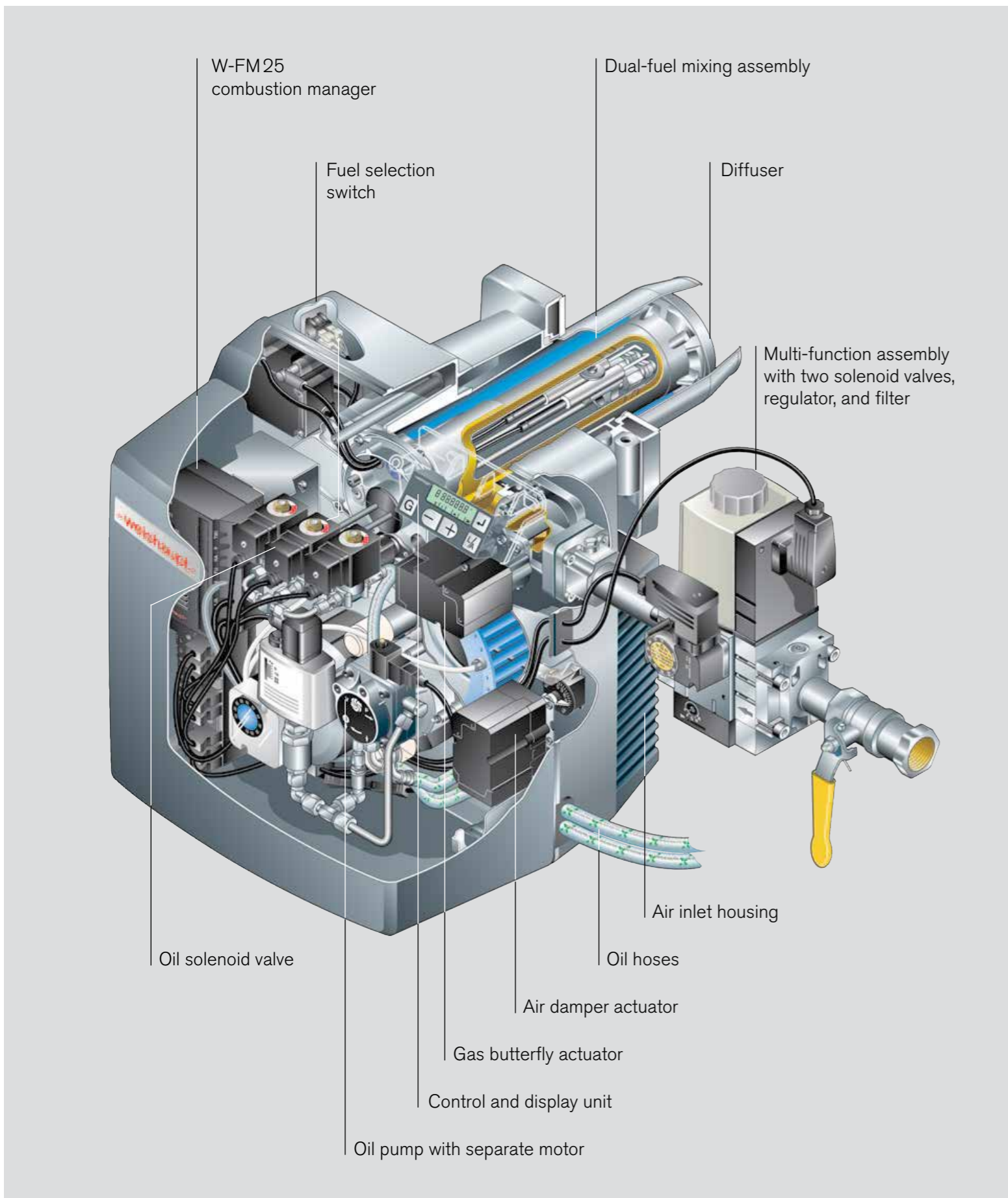
Weishaupt has an extensive worldwide sales and service network. Customer service is available around the clock. Weishaupt's optimal in-house training ensures service technicians are of the highest calibre.

### The key points:

- Fully electronic control and diagnosis
- Sliding-two-stage or modulating load control when firing on gas, two-stage load control when firing on oil
- The separately motorised oil pump is decoupled while the burner is firing on gas
- Microprocessor-controlled combustion manager
- Burner set via control unit with LCD screen
- Integrated gas valve proving
- Optional O<sub>2</sub> trim
- Optional expansion module to provide a Modbus/Profibus interface
- Error message display
- Hours run meter with burner start counter
- Electronic gas/air compound with separate stepping motor actuators
- The diffuser can be adjusted during setup
- Fuel selection switch



# WGL30 / 40 dual-fuel burners with optional O<sub>2</sub> trim



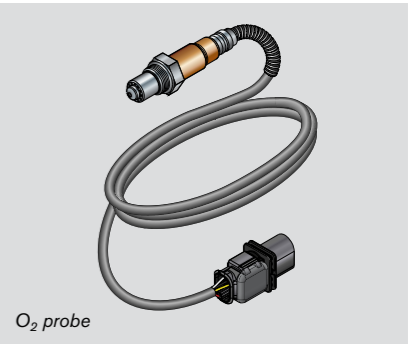
Conceptual drawing of WGL30/40 with O<sub>2</sub> trim

**Key points:**

Sliding-two-stage or modulating load control when firing on gas, two-stage load control when firing on oil  
 W-FM25 O<sub>2</sub> for O<sub>2</sub> trim  
 The separately motorised oil pump is decoupled while the burner is firing on gas  
 Fuel changeover via selection switch or field bus module  
 Non-interchangeable plugs ensure the correct electrical connection of all components  
 Safety is ensured by the reciprocal monitoring of two microprocessors  
 Fully electronic control and diagnosis  
 Flame monitoring via KLC/FLW infrared flicker detector  
 Electrical remote reset is possible  
 Optional expansion modules with either a Modbus interface or analogue and digital inputs and outputs  
 The separate PC connection offers,

through the use of the Vision Box software, additional options such as:

- Setting of the pre-purge time
- Display of the operational sequence and the adjustment of functional parameters
- Simplified, display led commissioning
- LCD screen with interrogation, service, and parameterisation functions. The burner can be set directly via the operating keys
- Available with Canadian and US type approvals and 120 V / 60 Hz electrics



# Digital combustion management: reliable and easy to use

Combustion manager	W-FM 25
<b>Fuels</b>	
Gaseous	●
Liquid (distillate)	●
Gaseous / liquid ( distillate)	●
<b>Features</b>	
Intermittent firing	●
Integrated gas valve proving	●
Number of actuators	2
Actuators with stepping motor	2
Number of compound settings	2
Flame monitoring	KLC/FLW
Fuel metering via input pulse	●
Service software	Vision Box
<b>Efficiency optimisation</b>	
O <sub>2</sub> trim	○ <sup>1)</sup>
<b>Control</b>	
Stage switching inputs (thermostat / pressure control)	●
Three-term switching input	●
0 / 4–20 mA or 0/2–10 V analogue input / output	○ <sup>2)</sup>
<b>Bus systems</b>	
Modbus RTU	○ <sup>3)</sup>
Profibus	○ <sup>3)</sup>
<b>Controls positioning</b>	
Burner-mounted combustion manager	●
Removable control unit	10 m
<b>Electrical supply</b>	
120 V, 50 Hz / 60 Hz	●
230 V, 50 Hz / 60 Hz	●
<b>Approvals</b>	
Europe	CE (230 V / 50 Hz) ●
Australia	AGA (240 V / 50 Hz) ●
USA / Canada	CSA (120 V / 60 Hz) ●
● Standard ○ Optional	
<sup>1)</sup> PO O <sub>2</sub> version <sup>2)</sup> With EM3/3 expansion module <sup>3)</sup> With EM3/2 expansion module	

## Digital combustion management for reliability and ease of use

Weishaupt is a pioneer in this field. Digital combustion management offers greater ease of use, simple servicing, even greater reliability in operation, and, last but not least, an extremely attractive price to capacity ratio. Furthermore, this intelligent technology enables the burner to be integrated with complex building management systems.

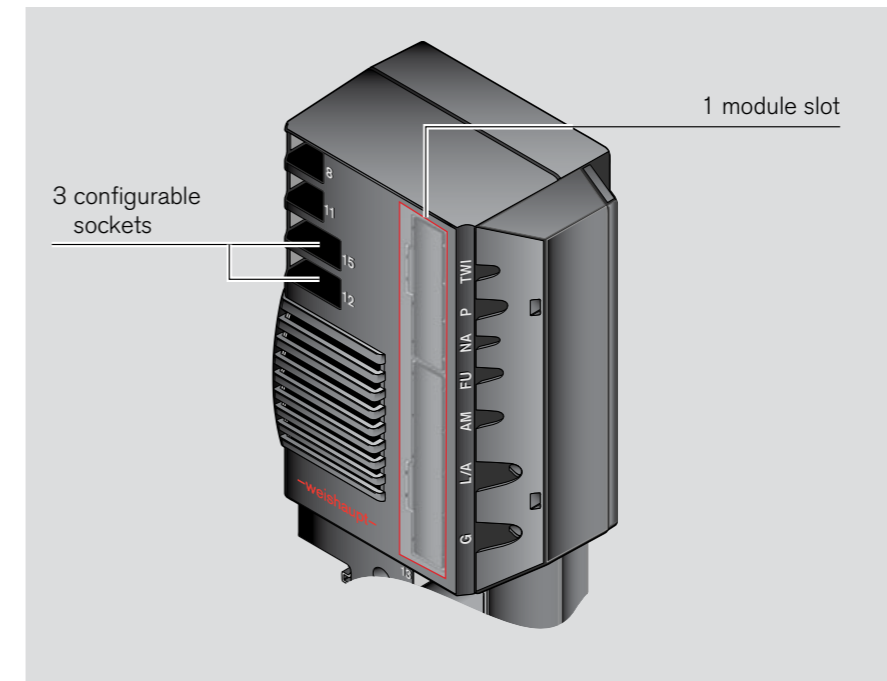
All of Weishaupt's W-series burners are fitted as standard with a digital combustion manager. The unit's microprocessors control and monitor all burner functions. As a result, Weishaupt burners are easy to use, precise, and reliable.

The digital combustion manager also offers the possibility of communicating with other systems via an integrated bus connection. This allows a technician to monitor the operation of the burner and remotely diagnose any errors.

## The key points:

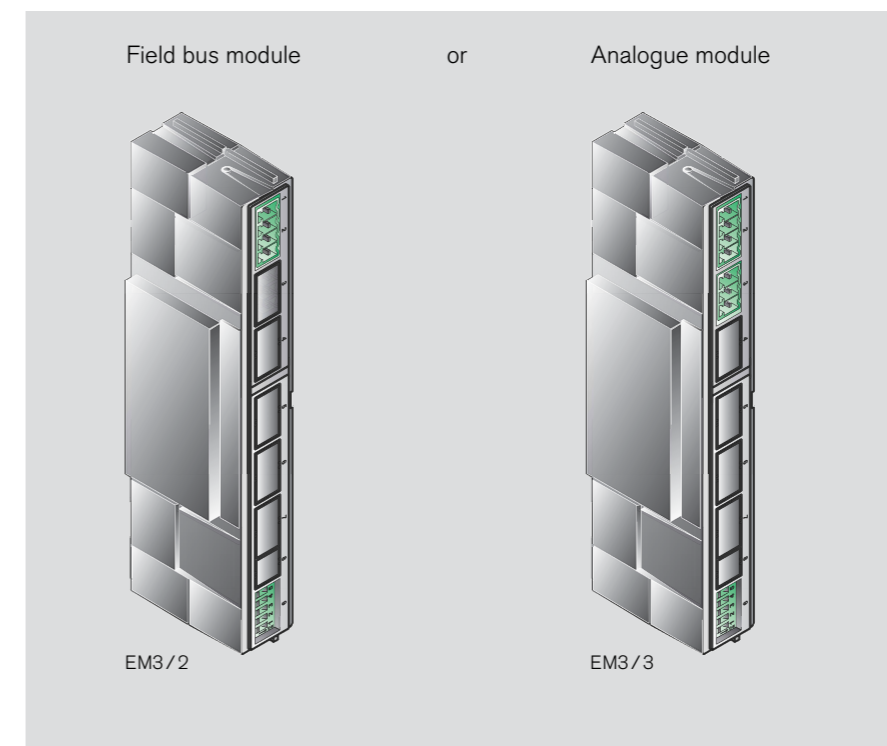
- Non-interchangeable plugs ensure the correct electrical connection of all components
- Safety is ensured by the reciprocal monitoring of two microprocessors
- Simplified, display led commissioning
- LCD screen with interrogation, service, and parameterisation functions. The burner can be set directly via the operating keys
- Flame monitoring via KLC/FLW infrared flicker detector
- Electrical remote reset is possible
- The optional bus connection offers functions such as:
  - Interfacing with building management systems
  - Remote monitoring and diagnosis via self-dialling modem
- The separate PC connection offers, through the use of the Vision Box software, additional options such as:
  - Setting of the pre-purge time
  - Display of the operational sequence and the adjustment of functional parameters

## Optional W-FM 25 expansion modules



### W-FM 25 combustion manager

- Configurable inputs (summary)
  - Socket 12
    - VPS valve proving
    - Proof of valve closure (POC)
  - Socket 14
    - Remote reset
    - Start release
    - Contact-dependent post-purge
  - Socket 15
    - High gas pressure switch
    - Extraneous air pressure switch



### Field bus module – Modbus / Profibus

By way of example, the following data can be read or changed:

- Burner ON / OFF
- Fuel changeover
- Current degree of modulation
- Required degree of modulation
- Heat demand present
- Flame signal
- Hardware inputs and outputs
- Operating phase
- Hours run
- Fan speed with VSD
- Actuator positions
- Fuel throughputs
- Etc.

### Analogue module – input / output

Input: Required burner load  
0–20 mA / 4–20 mA  
0–10 V / 2–10 V

Output: Current burner load  
0–20 mA / 4–20 mA  
0–10 V / 2–10 V

# Overview of burner control

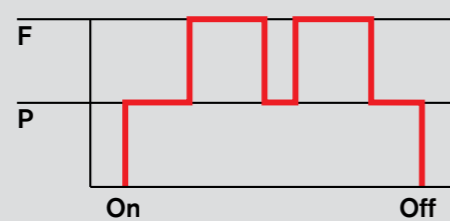
## Model designation

### Gas and oil-fired operation

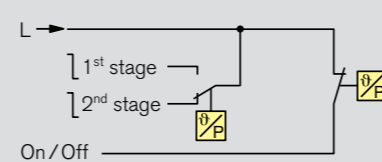
#### Two-stage (Z)

- Two-term switching (e.g. temperature or pressure stat) causes actuators to drive the burner to partial load or full load in response to heat demand. Single-stage control with low-impact start can also be effected.

#### Two-stage (oil)



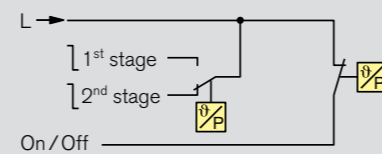
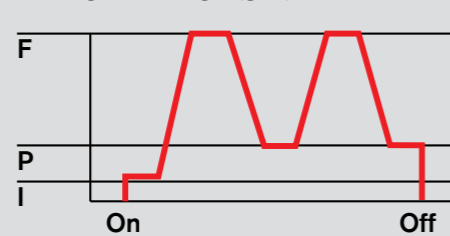
#### Switching <sup>1)</sup>



#### Sliding-two-stage (ZM)

- Two-term switching (e.g. temperature or pressure stat) causes actuators to drive the burner to partial load or full load in response to heat demand. The combustion values between load points are CO and smoke free.

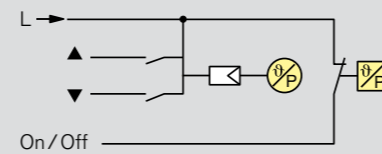
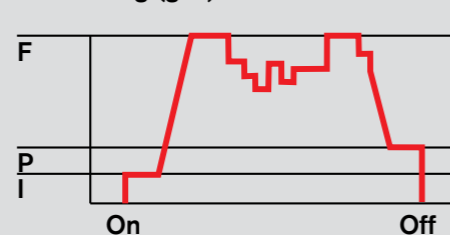
#### Sliding-two-stage (gas)



#### Modulating (ZM)

- An electronic load controller causes actuators to make infinitely variable load adjustments in response to heat demand.
- Available modulation control options for the W-FM25 combustion manager:
  - Three-term switching for an optional external load controller
  - Optional EM3/3 expansion module for an external load controller with an analogue output signal
  - Optional EM3/2 expansion module for a Modbus connection

#### Modulating (gas)



F = Full load (nominal load)  
P = Partial load (minimum load)  
I = Ignition load

<sup>1)</sup> Modulating gas control with staged oil control requires an electronic PID controller. In this case, an appropriate temperature sensor or pressure transducer will be required.

## Use

#### Fuels

- Natural gas
- LPG
- Class D gas oil per BS 2869/IS 251
- Class A2 gas oil per BS 2869/IS 251
- 10 % biodiesel blends (B10)

The suitability of fuels of differing quality must be confirmed in advance with Weishaupt.

#### Applications

- Weishaupt WGL30 and WGL40 burners with W-FM25 combustion manager are suitable for intermittent firing on:
  - EN 303-compliant heat generators
  - LTHW boilers
  - Air heaters
  - Group II and III steam boilers
  - Certain process applications

#### Permissible ambient conditions

- Ambient temperature
  - 15 to + 40 °C for gas firing
  - 10 to + 40 °C for oil firing
- Maximum 80 % relative humidity, no condensation
- The combustion air must be free of aggressive substances (halogens, chlorides, fluorides etc.) and impurities (dust, debris, vapours, etc.)
- Adequate ventilation is required for operation in enclosed spaces
- For plant in unheated areas, certain further measures may be required

Use of the burner for other applications or in ambient conditions not detailed above is not permitted without the prior written agreement of Max Weishaupt GmbH. Burner service intervals will be reduced to accord with the more extreme operational conditions.

#### Protection Class

IP 40

#### Gas supply

EN 88-compliant regulators with safety diaphragms are used for low-pressure supplies.

For high-pressure supplies, an EN 334-compliant high-pressure regulator

should be selected from the following technical booklets:

- Regulators up to 4 bar, Print No. 83001202
- Regulators with safety devices, Print No. 83197902

#### Maximum Operating Pressure (MOP)

The supplier must safeguard the gas flow pressure such that it cannot exceed the MOP of the burner's gas valve train.

#### Gas valve train design

Low-pressure valve trains are normally used for gas flow pressures up to a maximum of 300 mbar and a maximum operating pressure (MOP) of 500 mbar. This allows for pressure losses between the transfer station and the valve train. Furthermore, it is assumed that the transfer station utilises components (SSV, regulator) that are not of the highest class of accuracy. In individual cases, following consideration and approval by Weishaupt's headquarters, a gas flow pressure of up to 360 mbar can be approved if the appropriate conditions exist.

High-pressure valve trains are normally used for gas flow pressures greater than 300 mbar.

#### Standards compliance

The burners are tested by an independent body and fulfil the applicable requirements of the following European Union directives and applied standards:

- EMC** EMC Directive 2014/30/EU  
Applied standards
  - EN 61000-6-1 : 2007
  - EN 61000-6-3 : 2007
- LVD** Low-Voltage Directive 2014/35/EU  
Applied standards
  - EN 60335-1 : 2010
  - EN 60335-2-102 : 2010
- MD** Machinery Directive 2006/42/EC  
Applied standards
  - EN 676 Annex J
- GAR** Gas Appliances Regulation 2016/426/EU  
Applied standards
  - EN 676 : 2008
- PED<sup>1)</sup>** Pressure Equipment Directive 2014/68/EU  
Applied standards
  - EN 676 Annex K
  - EN 267 Annex K
  - Conformity assessment procedure: Module B

<sup>1)</sup> With the selection of appropriate equipment.

The burners are labelled with

- CE Mark
- CE-PIN per 2009/142/EC
- Identification No. of the notified body

### Model designation

#### WGL30/1-C ZM

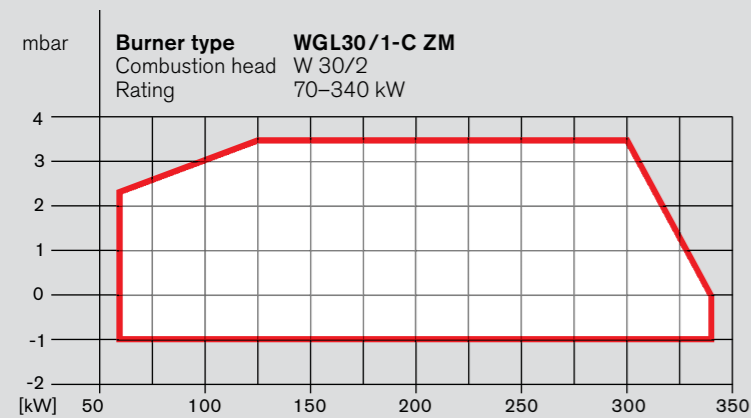


Details	Code-	Meaning	Associated fuel
Series	W	Weishaupt compact burner	
Fuel	G L	Gas Class D/ A2 oil	
Load control	Z ZM	Two-stage Sliding-2-stage/ modulating	Oil Gas



# Burner selection / gas valve train sizing WGL30

## WGL30 capacity graph



The capacities as a function of combustion chamber pressure are maximum values measured in accordance with EN 676 and EN 267 on idealised flame tubes.

The burner capacity graphs are certified in accordance with EN 676 and EN 267. The stated ratings are based on an air temperature of 20 °C and an installation at sea level. For installations at higher altitudes, a reduction in capacity of 1 % per 100 m above sea level should be taken into account.

The combustion chamber pressure of the heat generator must be added to the flow pressure determined from the chart when sizing the gas valve train. Minimum flow pressure 15 mbar.

### Minimum 125 kW full-load firing rate for two-stage operation

## WGL30

Burner rating [kW]	Low-pressure supply (flow pressure in mbar into shutoff valve, $p_i$ max = 300 mbar)			
	W-MF 507 Nom. diameter of gas ball valve 3/4"		W-MF 512 Nom. diameter of gas ball valve 1"	
125	16	15	15	14
145	16	15	15	14
165	17	16	15	14
185	18	16	15	14
200	18	17	15	15
220	19	18	16	15
240	21	19	16	15
260	22	20	17	15
280	24	21	18	15
300	26	22	19	16
320	28	24	20	17
340	30	26	21	18

**Nat. gas E**, LHV = 10.35 kWh/m<sup>3</sup> (37.26 MJ/m<sup>3</sup>), d = 0.606,  $W_i$  = 13.295 kWh/m<sup>3</sup>

125	16	15	15	14
145	16	15	15	14
165	17	16	15	14
185	18	16	15	14
200	18	17	15	15
220	19	18	16	15
240	21	19	16	15
260	22	20	17	15
280	24	21	18	15
300	26	22	19	16
320	28	24	20	17
340	30	26	21	18

**Nat. gas LL**, LHV = 8.83 kWh/m<sup>3</sup> (31.79 MJ/m<sup>3</sup>), d = 0.641,  $W_i$  = 11.029 kWh/m<sup>3</sup>

125	18	17	17	16
145	19	18	17	16
165	20	18	18	17
185	21	19	18	17
200	22	20	19	17
220	24	21	19	17
240	26	23	20	17
260	28	24	21	17
280	31	26	22	18
300	33	28	24	18
320	36	31	25	20
340	40	33	27	21

**LPG\***, LHV = 25.89 kWh/m<sup>3</sup> (93.20 MJ/m<sup>3</sup>), d = 1.555,  $W_i$  = 20.762 kWh/m<sup>3</sup>

125	11	11	11	11
145	12	12	11	11
165	12	12	12	11
185	13	13	12	12
200	13	13	12	12
220	14	13	13	12
240	15	14	13	13
260	16	14	13	13
280	16	15	14	13
300	17	16	14	14
320	18	16	15	14
340	19	17	15	14

The LHV is referenced to 0 °C and 1013 mbar atmospheric.

All pressures are in mbar.

\* The LPG charts are based on propane, but may also be used for butane.

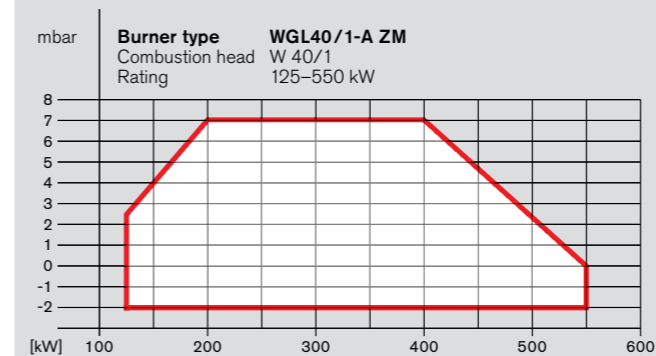
**Please note that an FRS regulator is required at additional cost for gas connection pressures > 150 mbar.**

### Note:

Shaded areas of the valve train table do not meet TRGI ball valve sizing requirements. For TRGI compliance use the non-shaded area and note additional price of larger ball valve.

# Burner selection / gas valve train sizing WGL40

## WGL40 capacity graph



The capacities as a function of combustion chamber pressure are maximum values measured in accordance with EN 676 and EN 267 on idealised flame tubes.

The burner capacity graphs are certified in accordance with EN 676 and EN 267. The stated ratings are based on an air temperature of 20 °C and an installation at sea level. For installations at higher altitudes, a reduction in capacity of 1 % per 100 m above sea level should be taken into account.

The combustion chamber pressure of the heat generator must be added to the flow pressure determined from the chart when sizing the gas valve train. Minimum flow pressure 15 mbar.

### Minimum 200 kW full-load firing rate for two-stage operation

## WGL40

Burner rating [kW]	Low-pressure supply (flow pressure in mbar into shutoff valve, $p_i$ max = 300 mbar)					
	W-MF 507 Nom. diameter of gas ball valve 3/4"		W-MF 512 Nom. diameter of gas ball valve 1"		DMV 525/12 2"	DMV 5065/12 DN65
200	18	14	13	11	11	11
225	20	15	14	12	11	11
250	22	16	15	12	12	12
275	25	18	16	13	13	13
300	28	19	18	14	14	14
325	32	22	20	16	15	15
375	41	27	24	20	19	19
400	45	29	25	21	20	20
425	48	30	26	21	20	20
450	52	31	26	22	21	20
500	60	34	28	23	21	21
550	69	38	31	24	23	22

**Nat. gas E**, LHV = 10.35 kWh/m<sup>3</sup> (37.26 MJ/m<sup>3</sup>), d = 0.606,  $W_i$  = 13.295 kWh/m<sup>3</sup>

200	18	14	13	11	11	11
225	20	15	14	12	11	11
250	22	16	15	12	12	12
275	25	18	16	13	13	13
300	28	19	18	14	14	14
325	32	22	20	16	15	15
375	41	27	24	20	19	19
400	45	29	25	21	20	20
425	48	30	26	21	20	20
450	52	31	26	22	21	20
500	60	34	28	23	21	21
550	69	38	31	24	23	22

**Nat. gas LL**, LHV = 8.83 kWh/m<sup>3</sup> (31.79 MJ/m<sup>3</sup>), d = 0.641,  $W_i$  = 11.029 kWh/m<sup>3</sup>

200	23	17	16	14	14	14
225	26	18	17	15	15	14
250	29	20	18	16	15	15
275	33	22	19	17	16	16
300	37	24	21	18	17	17
325	42	26	23	20	19	19
375	53	33	29	24	23	22
400	58	35	30	25	24	23
425	63	37	32	26	24	23
450	69	39	33	26	25	24
500	81	44	37	28	26	25
550	94	50	41	31	29	27

**LPG\***, LHV = 25.89 kWh/m<sup>3</sup> (93.20 MJ/m<sup>3</sup>), d = 1.555,  $W_i$  = 20.762 kWh/m<sup>3</sup>

200	10	9	8	-	-	-
225	12	10	9	-	-	-
250	13	11	10	-	-	-
275	15	12	12	-	-	-
300	17	14	13	-	-	-
325	20	15	15	-	-	-
375	25	19	18	-	-	-
400	27	21	20	-	-	-
425	29	21	20	-	-	-
450	30	22	20	-	-	-
500	34	24	22	-	-	-
550	38	26	23	-	-	-

The LHV is referenced to 0 °C and 1013 mbar atmospheric.

All pressures are in mbar.

\* The LPG charts are based on propane, but may also be used for butane.

**Please note that an FRS regulator is required at additional cost for gas connection pressures > 150 mbar.**

# Order numbers Extra equipment

Burner						
Burner type	Version	Operation		Valve train		Order No.
		Natural gas / LPG	Gas oil	R / DN	Type	
WGL30/1-C	ZM	Sliding-two-stage / modulating	Two-stage	¾"	W-MF 507 SE	235 316 21
		Sliding-two-stage / modulating	Two-stage	1"	W-MF 512 SE	235 316 31
		Sliding-two-stage / modulating	Two-stage	1½"	W-MF 512 SE	235 316 41
WGL40/1-A	ZM	Sliding-two-stage / modulating	Two-stage	¾"	W-MF 507 SE	235 416 21
		Sliding-two-stage / modulating	Two-stage	1"	W-MF 512 SE	235 416 31
		Sliding-two-stage / modulating	Two-stage	1½"	W-MF 512 SE	235 416 41
		Sliding-two-stage / modulating	Two-stage	2"	DMV 525/12	235 416 61
		Sliding-two-stage / modulating	Two-stage	DN65	DMV 5065/12	235 426 31
		Sliding-two-stage / modulating	Two-stage	DN80	DMV 5080/12	235 426 41

## Extra equipment

Description	Order No.		
	WGL30	WGL40	
Additional ¾" FRS governor for gas supply pressures > 150 mbar	230 011 04	230 011 05	
Additional 1" FRS governor for gas supply pressures > 150 mbar	230 011 63	230 011 63	
Additional 1½" FRS governor for gas supply pressures > 150 mbar	230 011 64	230 011 64	
W-MF 507 with 1" ball valve & TAE for TRGI	230 010 92	230 010 92	
Combustion head extension	by 100 mm	230 010 36	230 010 80
	by 200 mm	230 010 37	230 010 81
	by 300 mm	230 010 38	-
Solenoid valve for air pressure switch test for continuous-run fan or post-purge	230 010 46	230 010 46	
Air inlet flange for duct connection, with air pressure switch	230 010 32	230 008 36	
Burner rotated through 180°	230 010 28	230 010 28	
W-FM25 O2 combustion manager for O2 trim	230 012 36	230 012 36	
GW50 high gas pressure switch with connection cable and plug for valve trains ≤ 1½", supplied loose	230 011 42	230 011 42	
GW50 high gas pressure switch with connection cable and plug for valve trains ≥ 2", supplied loose	-	230 011 43	
O2 trim set, comprising O2 module, O2 probe, probe flange, and connection cables with plugs	230 012 34	230 012 34	
EM 3/3 analogue expansion module	230 011 51	230 011 51	
EM 3/2 field bus expansion module (Profibus / Modbus-RTU)	230 011 52	230 011 52	
Remote reset	230 011 48	230 011 48	

Please enquire regarding other items of extra equipment

# Technical data Dimensions

## Technical data

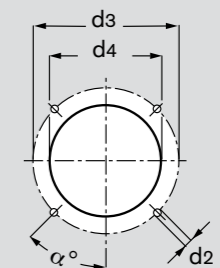
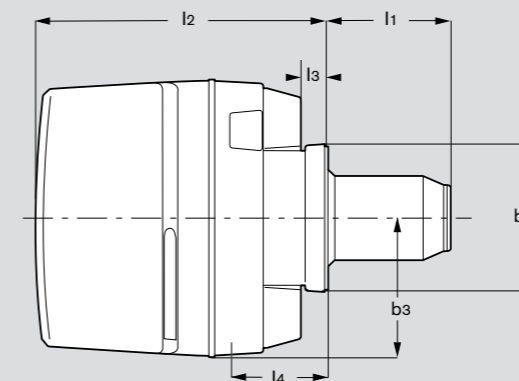
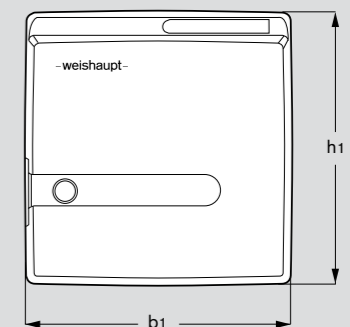
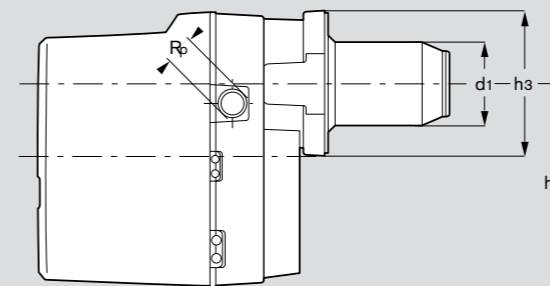
Burner type	Combustion manager	Fan motor	Pump motor	Actuator / Oil pump	Monitoring	Burner mass ①	Gas valve train		Mass ①	Noise emission ②
							Size	Type		
WGL30/1-C	W-FM25	ECK 05/A-2 230 V; 50 Hz Cap. 12 µF 2.3 A; 380 W 2890 rpm	ECK 02/F-2P 230 V; 50 Hz Cap. 3 µF 0.63 A; 75 W 2810 rpm	STE 4,5 * BO.36/6-01L ----- ALV 65 C 75 l/h	Air pressure LGW 10A2 Flame FLW	39 kg	¾"	W-MF 507 SE	6.0 kg	72 dB(A)
							1"	W-MF 512 SE	9.0 kg	
							1½"	W-MF 512 SE	11.5 kg	
WGL40/1-A	W-FM25	ECK 06/A-2 230 V; 50 Hz Cap. 16 µF 3.2 A; 530 W 2900 rpm	ECK 02/F-2P 230 V; 50 Hz Cap. 3 µF 0.63 A; 75 W 2810 rpm	STE 4,5 * BO.36/6-01L ----- ALV 65 C 75 l/h	Air pressure LGW 10A2 Flame FLW	47 kg	¾"	W-MF 507 SE	5.5 kg	73 dB(A)
							1"	W-MF 512 SE	9.0 kg	
							1½"	W-MF 512 SE	13.5 kg	
							2"	DMV 525/12	17.5 kg	
				DN65	DMV 5065/12	50.0 kg				
				DN80	DMV 5080/12	67.0 kg				

① All masses are approximate.

② Measured sound pressure level – Values in the field are subject to variation according to the characteristics of the entire acoustic system.

## Burner dimensions

Burner type	Dimensions in mm															
	l1	l2	l3	l4	b1	b2	b3	h1	h2	h3	d1	d2	d3	d4	Rp	α°
WGL30	169	480	62	197	420	226	196	460	342	226	127	M8	170-186	130	1½"	45°
WGL40	235	577	72	235	450	245	207	480	360	245	154	M10	186-200	160	1½"	45°





# Contact Us



Maximising Energy Efficiencies for a Sustainable Future

[admin@egl.com.au](mailto:admin@egl.com.au)

[www.environmental.com.au](http://www.environmental.com.au)

03 9541 8699

## Office Locations



### Melbourne

Tomlinson Energy Services  
Suite 2.01 | Level 2  
315 Ferntree Gully Road  
Mount Waverley VIC 3149

P: 03 8560 0416

E: [energyservice.melbourne@tomlinsonenergy.com.au](mailto:energyservice.melbourne@tomlinsonenergy.com.au)

### Sydney

Tomlinson Energy Services  
A2, 26 Power Road  
Seven Hills NSW 2417

P: 02 9681 4177

E: [energyservice.sydney@tomlinsonenergy.com.au](mailto:energyservice.sydney@tomlinsonenergy.com.au)

### Brisbane

Tomlinson Energy Services  
1/48 Commerce Circuit  
Yatala QLD 4207

P: 07 3462 0159

E: [energyservice.brisbane@tomlinsonenergy.com.au](mailto:energyservice.brisbane@tomlinsonenergy.com.au)

### South Australia

Tomlinson Energy Services  
26 Phillips Street  
Thebarton SA 5031

P: 08 8297 9688

E: [energyservice.adelaide@tomlinsonenergy.com.au](mailto:energyservice.adelaide@tomlinsonenergy.com.au)

### Western Australia

Tomlinson Energy Services  
40 Sorbonne Crescent  
Canning Vale WA 6155

P: 08 9455 5511

E: [energyservice.perth@tomlinsonenergy.com.au](mailto:energyservice.perth@tomlinsonenergy.com.au)



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Group Limited**  
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