

– weishaupt –



SC **MONDOCOM** SRL

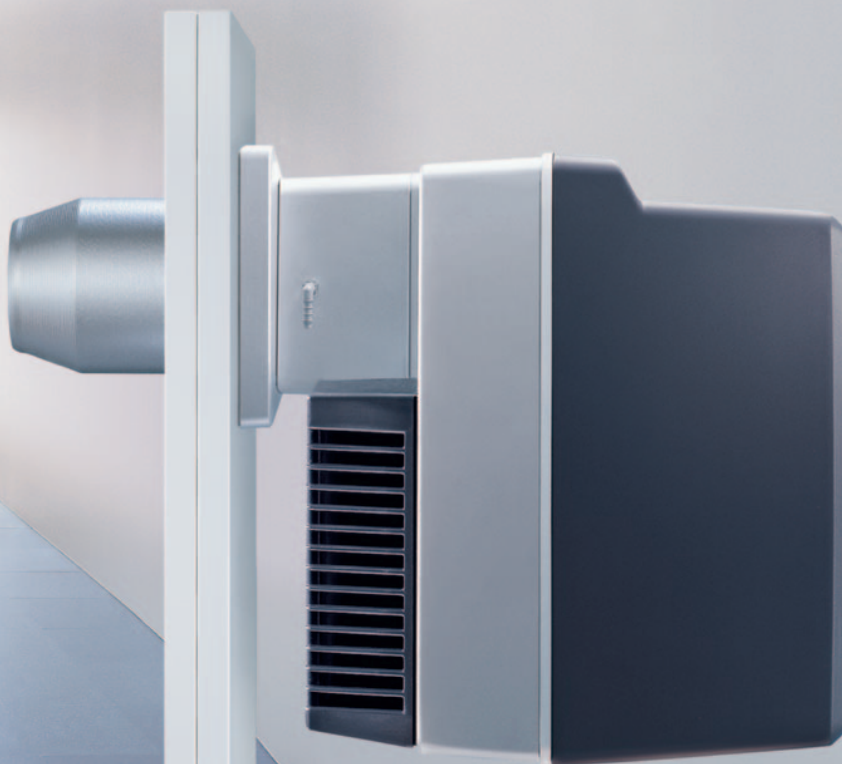
CAZANE, ARZĂTOARE ȘI
PIESE DE SCHIMB

TEL/FAX: 0264-414548; M: 0723-671441

WWW.MONDOCOM.RO

product

Information on compact burners



Digital oil burners

Weishaupt oil burners WL5 to WL40 (16.5–570 kW)

Use

Fuels

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

W-FM05 combustion manager for single-stage control

Suitable for intermittent firing on:

- EN 303-compliant heat generators
- LTHW boilers
- Air heaters
- Group II and III steam boilers

W-FM10 combustion manager for two-stage control

Suitable for intermittent firing on:

- EN 303-compliant heat generators
- LTHW boilers
- Air heaters
- Group II and III steam boilers

W-FM25 combustion manager for two-stage control

Suitable for intermittent firing on:

- EN 303-compliant heat generators
- LTHW boilers
- Air heaters
- Group II and III steam boilers

W-FM25PO combustion manager for two-stage control

Suitable for intermittent firing on:

- EN 303-compliant heat generators
- LTHW boilers
- Air heaters
- HTHW boilers
- Group II, III, and IV steam boilers
- Certain process applications

Protection Class

IP 40

Permissible ambient conditions

- Ambient temperature
-10 to + 40 °C for gas 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.

Capacity graphs per EN 267

The stated ratings are based on an air temperature of 20 °C and an installation altitude of 500 m above sea level.

Stated oil throughputs are for gas oil with a LHV of 11.9 kWh/kg.

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

The burners are labelled with

- CE Mark
- DIN CERTCO

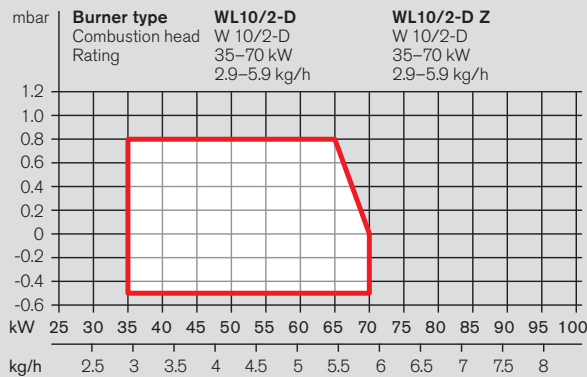
Model designation

Model	Version
WL5/1-B-H 2LN	
WL	Mixing assembly
5	Suffix
/	Mark
1	Capacity
B	Size
H	Fuel, oil
2LN	Burner series

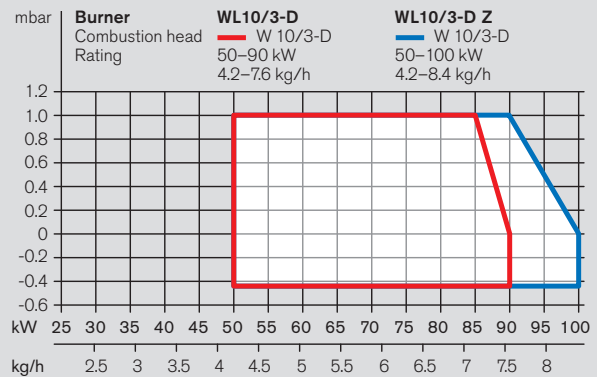
Details	Code	Meaning
Series	W	Compact burner
Fuel	L	Oil
Load control	– Z	Single-stage Two-stage
Mixing assembly	– 2LN	Standard Low-NO _x
Suffix	H	Oil preheating

Burner selection WL10 to WL40

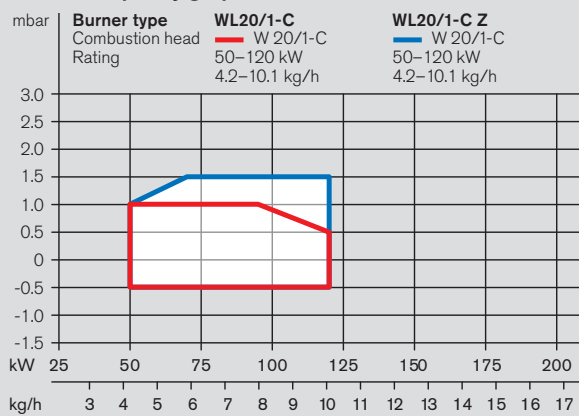
WL10/2 capacity graph



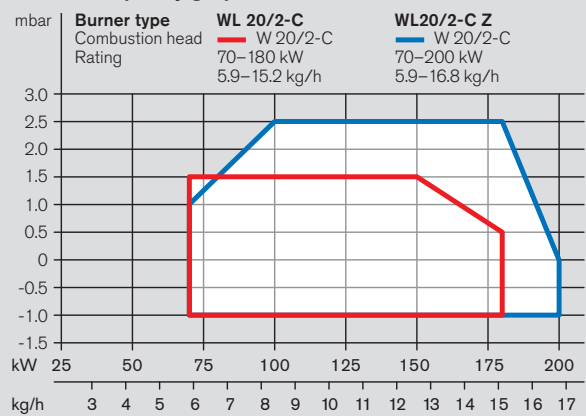
WL10/3 capacity graph



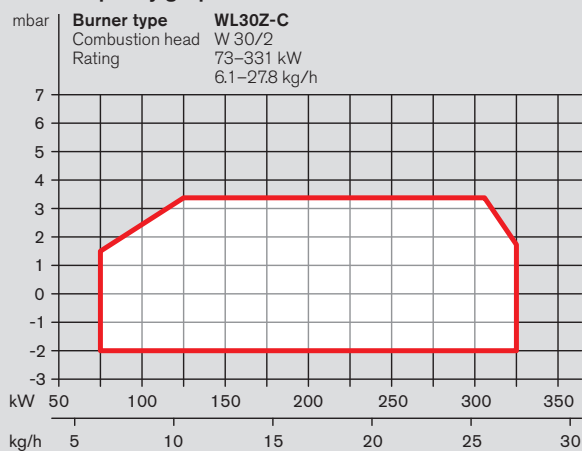
WL20/1 capacity graph



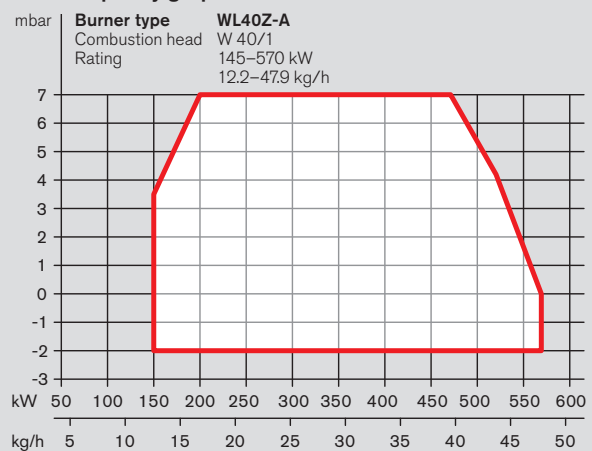
WL20/2 capacity graph



WL30 capacity graph

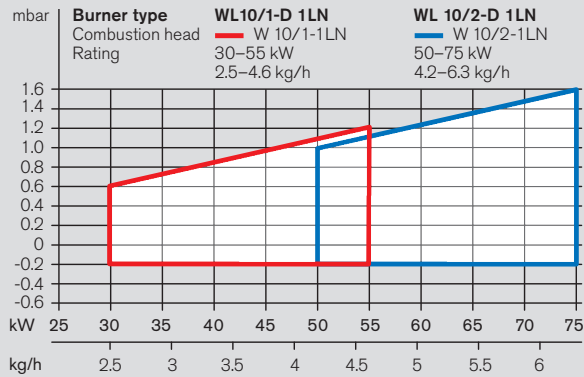


WL40 capacity graph

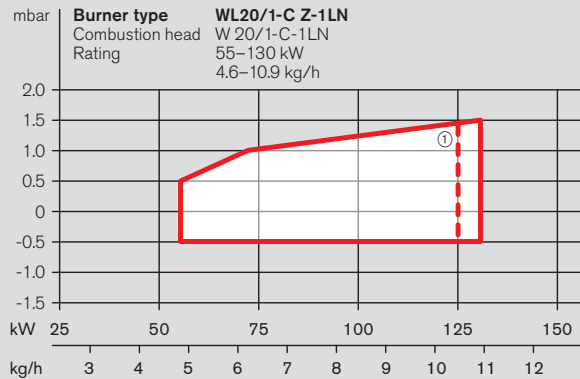


Low-NO_x burner selection WL10 to WL40

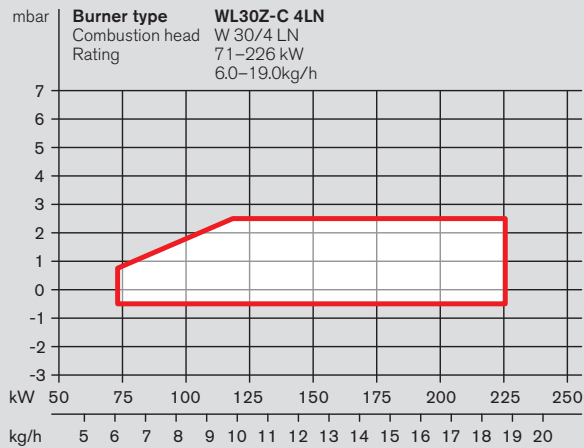
WL10 capacity graph



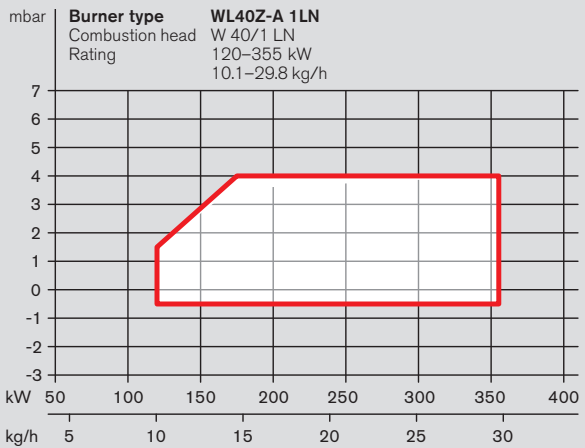
WL20 capacity graph



WL30 capacity graph

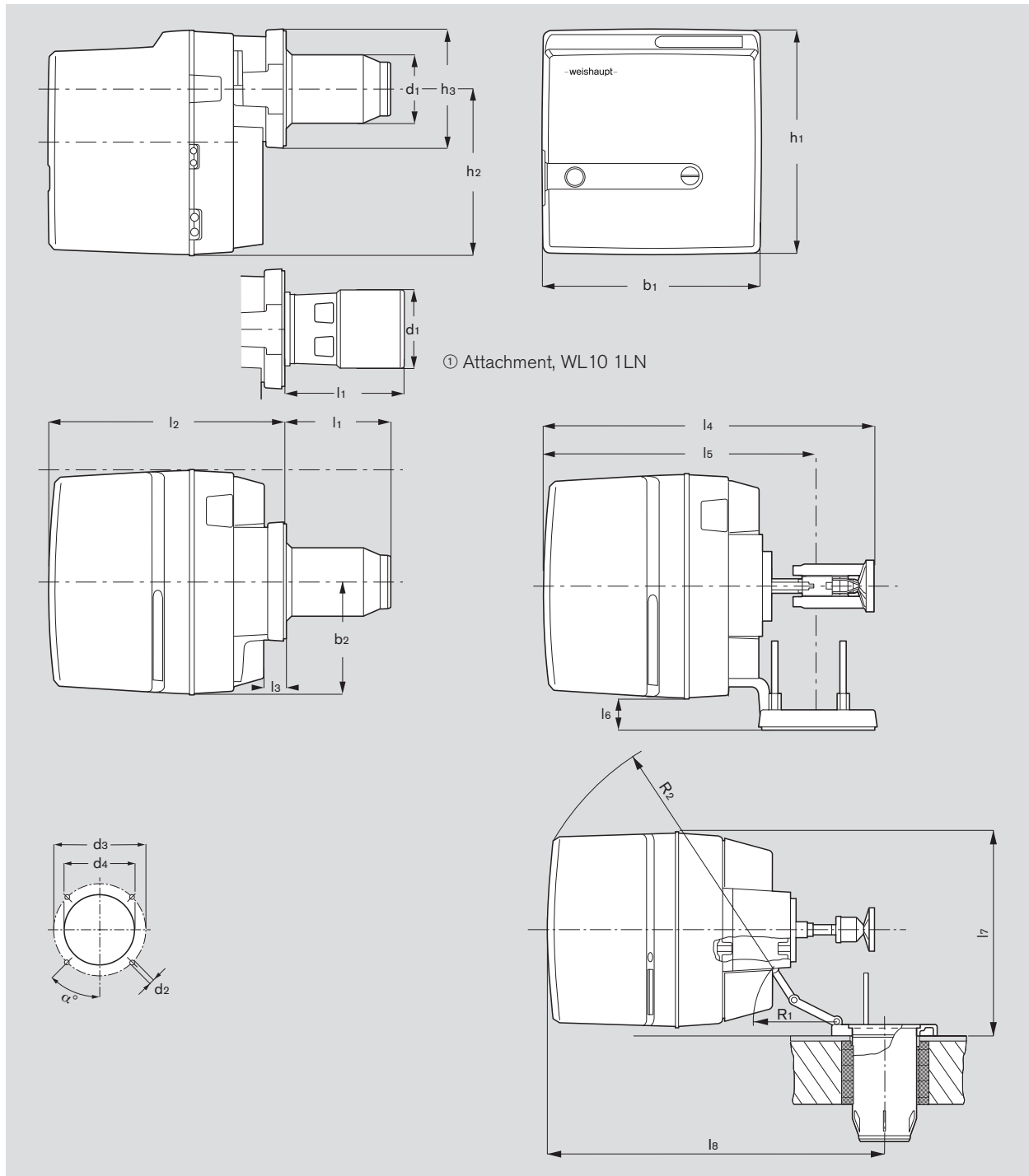


WL40 capacity graph



① Limitation for Switzerland:
For use on three-pass heat generators only

Dimensions



Burner type	Dimensions in mm														
	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	l ₇	l ₈	b ₁	b ₂	b ₃	h ₁	h ₂	h ₃	h ₄
Standard															
WL10/2-D	137	344	32	476	398	51	–	–	330	165	–	353	270	165	–
WL10/3-D	140	344	32	476	398	51	–	–	330	165	–	353	270	165	–
WL20/1-C	140	393	32	525	434	73	–	–	358	179	–	376	285	182	183
WL20/2-C	174	393	32	558	434	73	–	–	358	179	–	376	285	182	183
WL30Z-C	172	480	62	640	600	62	460	600	420	226	100	460	342	–	–
WL40Z-A	242	577	72	801.5	615	72	480	615	450	245	108	480	360	–	–
Low-NO _x															
WL10/1-D 1LN	232–252	344	31.5	476	398	51	–	–	330	165	–	353	270	165	–
WL10/2-D 1LN	232–257	344	31.5	476	398	51	–	–	330	165	–	353	270	165	–
WL20/1-C 1LN	141	393	32	532	434	73	–	–	358	179	–	376	285	182	183
WL30Z-C 4LN	170	480	62	639	600	62	460	600	420	226	100	460	342	–	–
WL40Z-A 1LN	238	577	72	795	615	72	480	615	450	245	108	480	360	–	–

Burner type	Dimensions in mm									
	d ₁	d ₂	d ₃	d ₄	d ₅	d ₆	R ₁	R ₂	α°	
Standard										
WL10/2-D	99	M8	150–170		110	–	–	–	–	–
WL10/3-D	1108	M8	150–170		110	–	–	–	–	–
WL20/1-C	108	M8	170		130	123	150	–	–	–
WL20/2-C	120	M8	170		130	123	150	–	–	–
WL30Z-C	127	M8	170–186		130	–	–	158	490	45
WL40Z-A	151	M10	186–200		160	–	–	185	570	45
Low-NO _x										
WL10/1-D 1LN	100	M8	150–170		110	–	–	–	–	–
WL10/2-D 1LN	108	M8	150–170		110	–	–	–	–	–
WL20/1-C 1LN	108	M8	170		130	123	150	–	–	–
WL30Z-C 4LN	127	M8	170–186		130	–	–	158	490	45
WL40Z-A 1LN	151	M10	186–200		160	–	–	185	570	45