

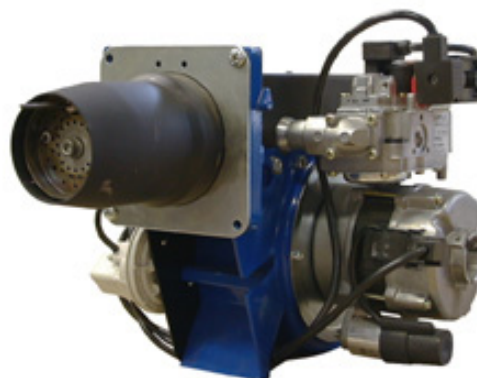
ABG-3/10-F/PB-...

AUTOMATICALLY CONTROLLED COMPACT
GAS BURNERS

17-110 kW

Flexible output control system
High combustion efficiency
Reliable construction
Easy and simple to maintenance
Environmentally friendly

ABG-3/10-F/PB-... gas burners



GB-GANZ

Tüzeléstechnikai Kft.
Hungary

H-1103 Budapest, Szlávy u. 22-30. Tel.: (+36-1) 260-2727 F: (+36-1) 260-0033
Internet: www.gb-ganz.hu E-mail: gbganz@gb-ganz.hu

General information:

Developing the ABG gas burner range we should like to provide a modern firing device for an economical and efficient gas combustion. The compact, fully automatically controlled burners are suitable for combustion of natural gas and LPG.

The simple construction makes quick fitting and set-up possible, the use of excellent quality safety-, and control devices result in low maintenance cost. Depending on the user's requirements, burners can have the following output control systems: ON/OFF, HIGH/LOW with fast or slow load change and Modulating by the actual thermal request. During operation the primary burner control unit is continuously detecting the flame, and the pressure of gas and air. In manufacturing we highly take the users's requirements into consideration, so beside the mass-produced burners, there is a possibility of delivery also special versions. Standard or extended air-tube equipped burners are well adaptable to any boiler furnace chamber. Ordering burner, the kind of gas and its pressure have to be taken into consideration. Commissioning relevant legislations and standards have to be observed.

The burners can be mounted on heating appliances of industrial, agricultural or communal plants as follows::

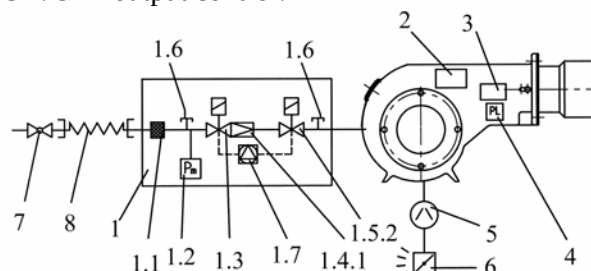
- boilers
- hot-air blowers
- agricultural and industrial dryers
- other equipments of technology

Advantages of the ABG type burners:

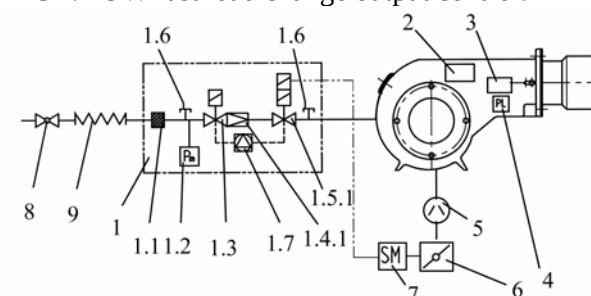
- high combustion efficiency
- flexible output control range
- stable flame
- simple and fast electric connection with special connectors
- simple assemblage, quick maintenance
- wide range of optional accessories
- environment safe low pollutant emission
- reliable construction
- long-life operation

Gas train configurations:

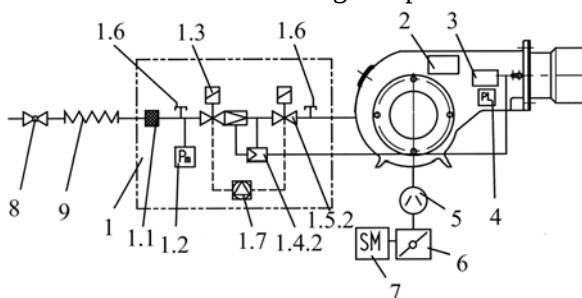
ON/OFF output control:



HIGH/LOW fast load change output control:



HIGH/LOW slow load change output control:



1. Combination gas valve
- 1.1 Gas filter
- 1.2 Minimum gas pressure switch
- 1.3 Safety gas valve
- 1.4.1 Gas pressure governor
- 1.4.2 Pneumatic air/gas ratio control
- 1.5.1 Two-stage main gas valve
- 1.5.2 Main gas valve
- 1.6 Gauge pin
2. Primary burner control
3. Ignition transformer
4. Minimum air pressure switch
5. Air blower
6. Air damper
7. Air damper motor
- Optional accessories for additional order:
- 1.7 Gas leakage control unit
8. Manual shut-off valve
9. Flexible hosing
- Thermostat
- Pressure gauge
- Gas leakage control unit

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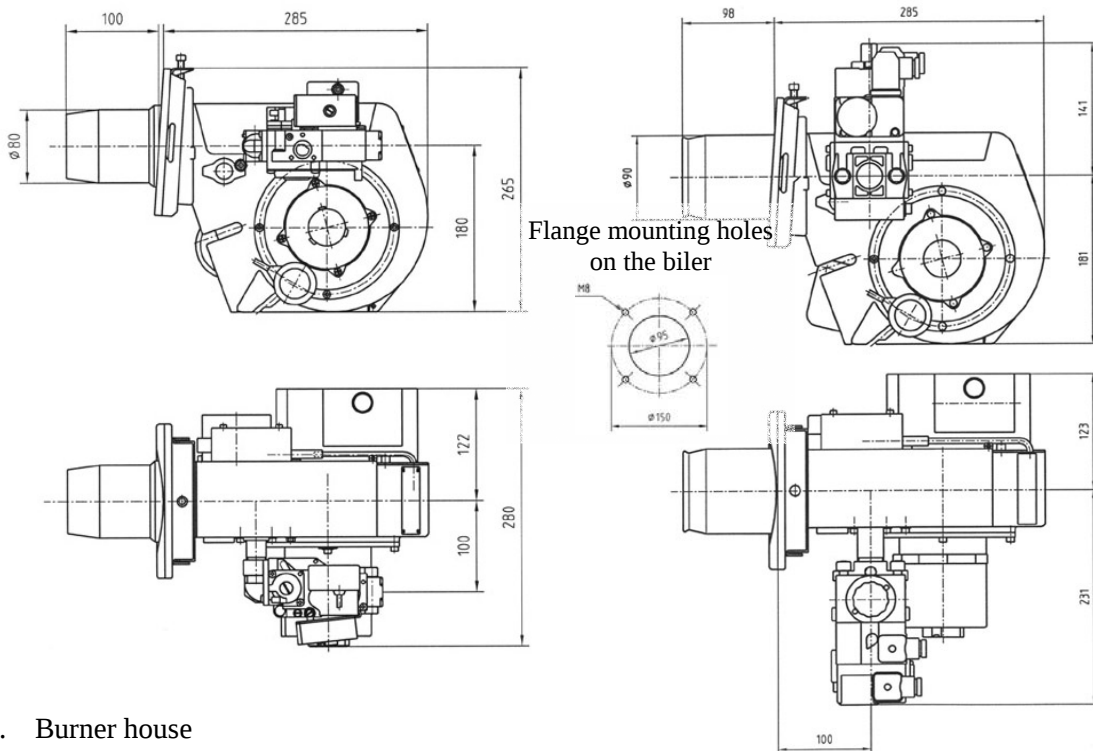
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Main technical data:

Type	ABG-3	ABG-10-...-1	ABG-10-...-2	ABG-10-...-3
Output range	17-45 kW	40-80 kW	55-110 kW	55-110 kW
Fuel	natural gas or LPG			
Turndown range	1:2			
Flame detector	Ionization electrode,			
Primary burner control	LMG 21 (Landis)			
Electrical connection	230 V, 50 Hz+PE, 140 W			
Electrical protection	IP 20			
Weight	10 kg			
Connecting gas pressure	20-45 mbar	20-200 mbar		
Gas train size	DN 1/2"BSP	DN 3/4"BSP		

Outline drawing and connecting dimensions:



1. Burner house
2. Fan motor
3. Air-tube
4. Combination gas valve
5. Command box
6. Ignition transformer
7. Minimum air pressure switch
8. Fixing hole
9. Air damper
10. Gas inlet

Changing dimensions (mm)			
	D1	D2	L
ABG-10-...-1-1	90	95	98
ABG-10-...-2-1	90	95	max 500
ABG-10-...-1-2	100	105	86
ABG-10-...-2-2	100	105	max 500
ABG-10-...-1-3	100	105	86
ABG-10-...-2-3	100	105	max 500

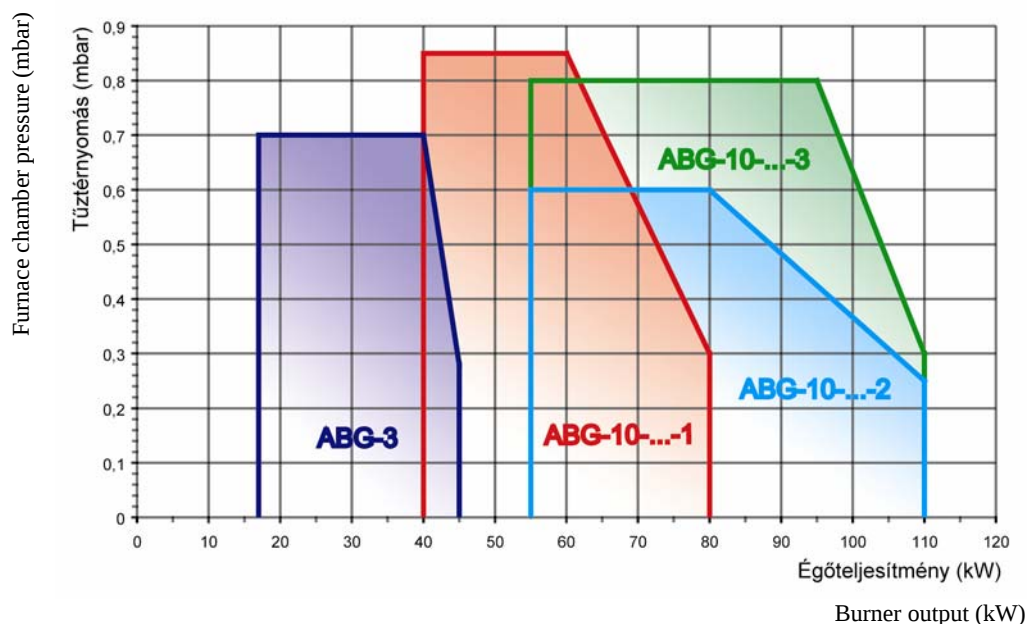
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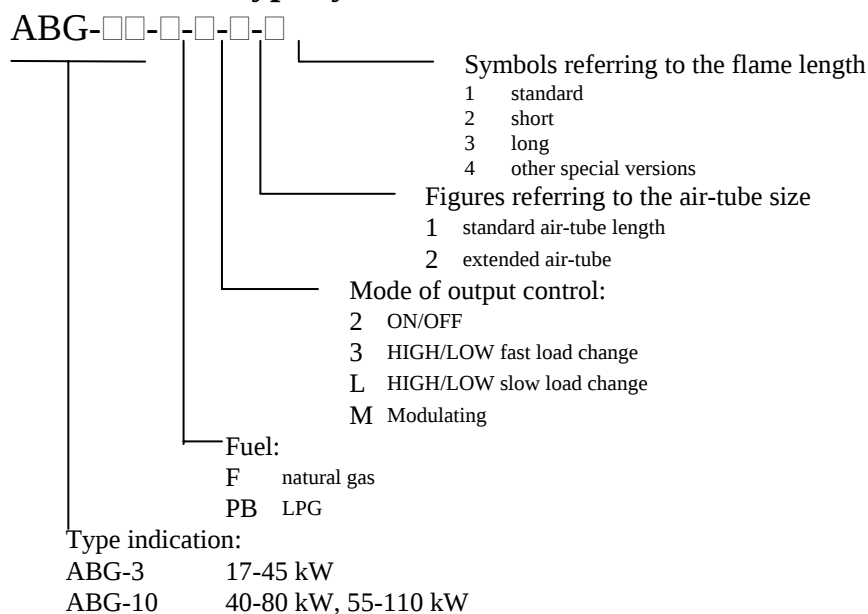
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Furnace chamber pressure – burner output characteristics:



Gas burner type symbols :



Regional Sales Office

Transdanubian Sales Office

8300 Tapolca Juhász Gy. u. 2/1. Tel/F.: (36-87) 510-670

Your regional dealer:

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