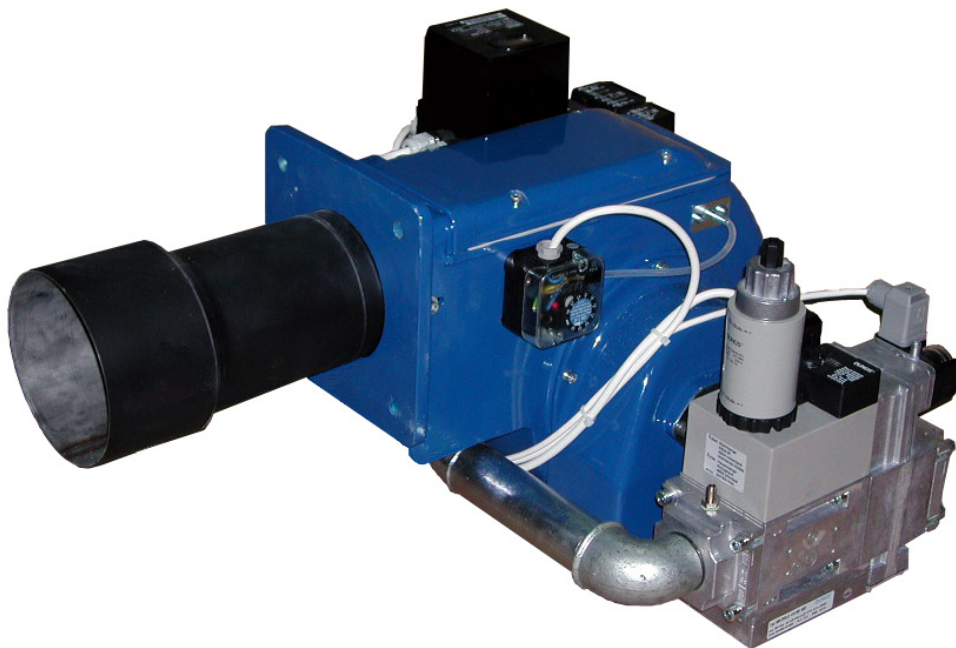


ABG-45-F/PB-...

**AUTOMATICALLY CONTROLLED COMPACT GAS
BURNER**

140-450 kW

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



GB-GANZ
Tüzeléstechnikai Kft.
Hungary

H-1103 Budapest, Szilávy 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:

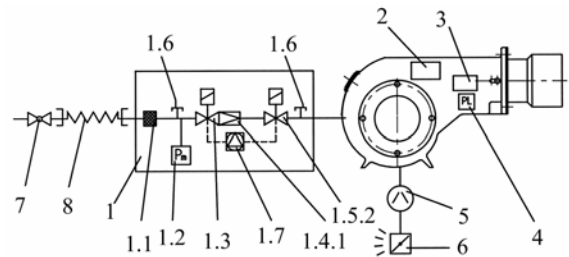
Developing the ABG gas burner range we should like to provide a modern firing device for an economic and efficient gas combustion. The compact, fully automatically controlled burners are suitable for combustion of natural gas and LPG.

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 user'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:

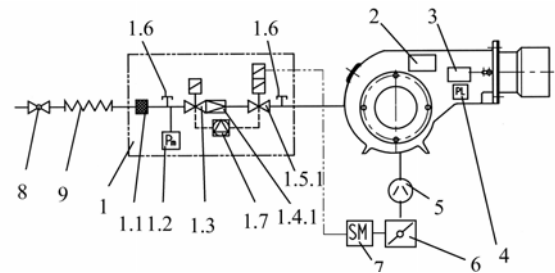
- boilers
 - hot-air blowers
 - agricultural and industrial dryers
 - other equipments of technology
- Advantages of the ABG type burners:**
- high combustion efficiency
 - flexible output control range
 - stable flame
 - simple and fast electric connection with special connectors
 - wide range of gas train configurations
 - wide range of optional accessories
 - environment safe low pollutant emission
 - reliable construction
 - long-life operation

Gas train configurations:

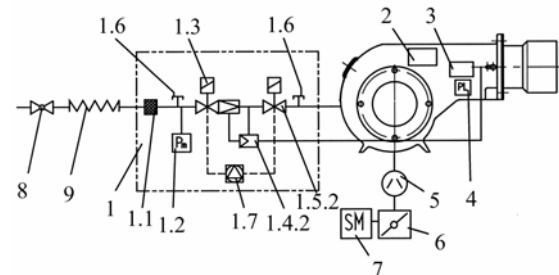
ON/OFF output control:



HIGH/LOW fast load change output control:



HIGH/LOW slow load change and Modulating output control:



1. Combination valve
 - 1.1 Gas filter
 - 1.2 Minimum gas pressure switch
 - 1.3 Safety gas valve
 - 1.4 Gas leakage control unit
 - 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:**
8. Manual shut-off valve
 9. Antivibrating connection
- Burner output control unit
Thermostat
Pressure switch

GB-GANZ

Tüzeléstechnikai Kft.

Hungary

H-1103 Budapest, Szilágyi u. 22-30. Tel.: (+36-1) 260-2727 F: (+36-1) 260-0033

Internet: www.gb-ganz.hu E-mail: gb-ganz@gb-ganz.hu

Main technical data:

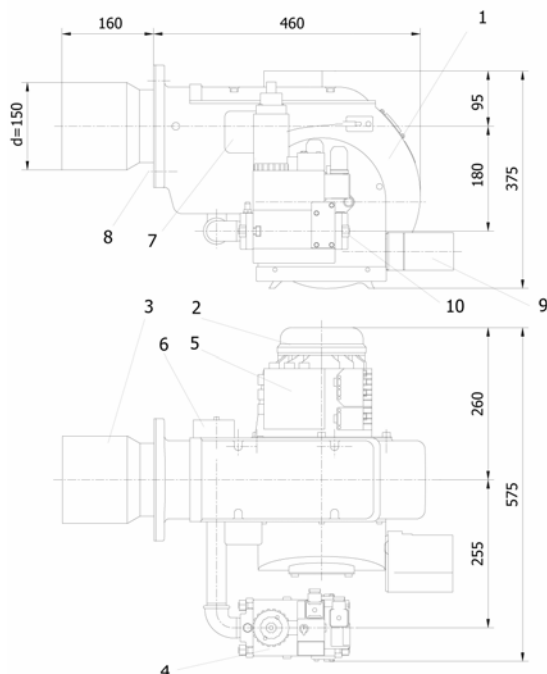
Type	ABG-45-D	ABG-45-E	ABG-45
Output range	140-330 kW	160-380 kW	200-450 kW
Starting output	max. 140 kW		
Fuel	natural gas or LPG		
Turndown range	1:2		
Flame detector	ionization electrode, or UV for special request		
Primary burner control	LMG 21/22 vagy LFL 1.322		
Electrical connection	230 V, 50 Hz+PE		
	300 W	300 W	500 W
Electrical protection	IP 20 ¹⁾		
Weight ²⁾	35-41 kg		
¹⁾ for special order IP 40		²⁾ depending on the gas train diameter nominal	

Gas train sizes:

Gas pressure range symbols	20-30 mbar 0	31-40 mbar 1	41-100 mbar 2	101-150 mbar 3	151-200 mbar 4	201-350 mbar 5
Natural gas firing burner gas train diameters for different connecting pressures						
ABG-45-D	DN 1"					
ABG-45-E	DN 5/4"		DN 1"			
ABG-45	DN 6/4"		DN 5/4"	DN 1"		
LPG firing burner gas train diameters for different connecting pressures.						
ABG-45-D	DN 1"					
ABG-45-E	DN 1"					
ABG-45	DN 1"					

³⁾ at LPG firing minimal gas pressure is 25 mbar

ABG-45 gas burner 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

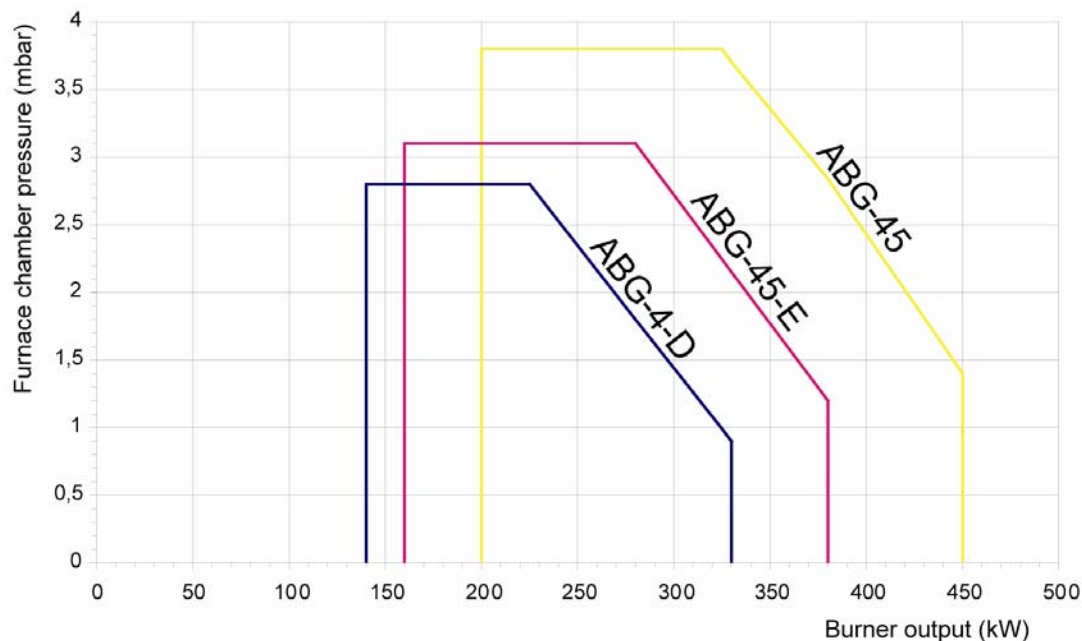
GB-GANZ

Tüzeléstechnikai Kft.
Hungary

H-1103 Budapest, Szilávy u. 22-30. Tel.: (+36-1) 260-2727 F: (+36-1) 260-0033

Internet: www.gb-ganz.hu E-mail: gbganz@gb-ganz.hu

Furnace chamber pressure – burner output characteristics:



Gas burner type symbols:

ABG-□□-□-□-□-□

— Symbols referring to the inlet gas pressure range

0	20-30	mbar
1	31-40	mbar
2	41-100	mbar
3	101-150	mbar
4	151-200	mbar
5	201-350	mbar

— Figures referring to the air-tube size

- 1 Standard air-tube length
- 2 Extended air-tube

— Mode of output control:

- 2 ON/OFF
- 3 HIGH/LOW fast load change
- L HIGH/LOW slow load change
- M Modulating

Fuel:

- F Natural gas
- PB LPG

Type indication:

ABG-45-D	140-330 kW
ABG-45-E	160-380 kW
ABG-45	200-450 kW



Regional Sales Offices:

Transdanubian Sales Office:

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

Your regional dealer:



GB-GANZ

Tüzeléstechnikai Kft.
Hungary

H-1103 Budapest, Szilávy u. 22-30. Tel.: (+36-1) 260-2727 F: (+36-1) 260-0033

Internet: www.gb-ganz.hu E-mail: gbganz@gb-ganz.hu