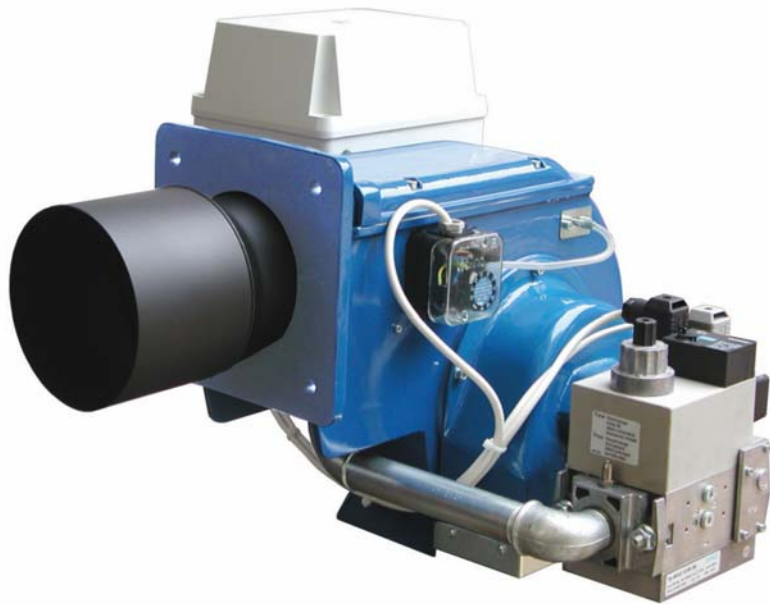


ABG-55/60/80-F/PB-...

**AUTOMATICALLY CONTROLLED COMPACT GAS
BURNERS
220-800 kW**

**Flexible turndown range
High combustion efficiency
Reliable construction
Easy and simple to maintenance
Environmentally friendly**



GB-GANZ

Tüzeléstechnikai Kft.

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:

Having developed the ABG type gas burner series we should like to provide modern firing devices 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 the excellent-quality safety-, and control devices results in low maintenance cost. Depending on the user's requirements, burners can have the following output control systems: 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, the gas-, and air pressure. In manufacturing we highly take the user's requirements into consideration, so that, beside the mass-produced burners, there is a possibility of delivering also special versions. Standard or extended air-tube equipped burners are well adaptable to any boiler furnace chamber. Ordering burner, 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:

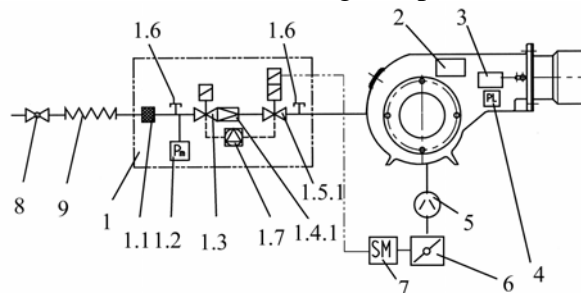
- boilers
- hot-air blowers
- agricultural and industrial dryers
- other equipments of technology.

Advantages:

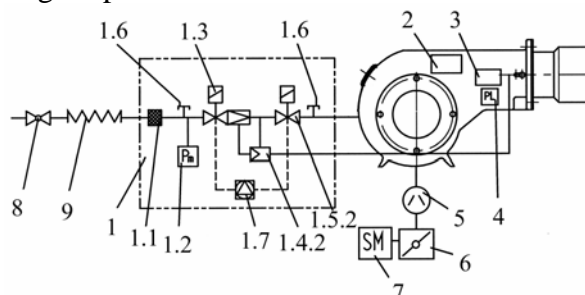
- high combustion efficiency
- flexible turndown range
- stable flame
- simple and quick electrical wiring with multi-poled connectors
- simple assemblage, quick maintenance
- wide range of optional accessories
- environment-safe, low-pollutant emission
- reliable construction
- long-life operation

Gas train configurations:

HIGH/LOW fast load change output control:



HIGH/LOW slow load change and Modulating output control:



Attachments:

1. Gas multiblock
- 1.1 Gas filter
- 1.2 Minimum gas pressure switch
- 1.3 Safety solenoid 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 solenoid gas valve
- 1.6 Gauge pin
2. Primary burner control unit
3. Ignition transformer
4. Minimum air pressure switch
5. Air blower
6. Air damper
7. Air damper motor

Optionals for special request:

- 1.7 Gas leakage control unit
 - 8 Manual globe-cock
 - 9 Flexible hose or antivibrating connection
- Burner output control unit
Thermostat
Pressure gauge

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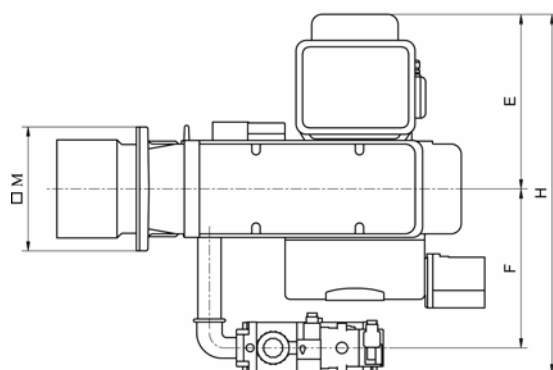
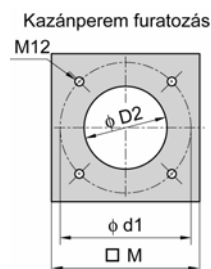
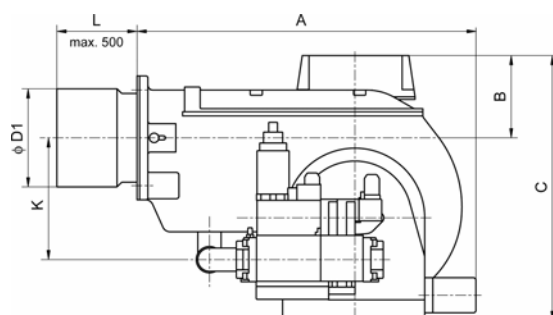
Main technical data:

Type	ABG-55	ABG-60	ABG-80
Output range	220-500 kW	240-600 kW	350-800 kW
Ignition output	max. 140 kW		
Fuel	Natural gas or LPG		
Turndown ratio	1:2		
Flame detector	Ionization system, or UV for special request		
Primary burner control unit	Siemens-Landis LFL 1.322		
Electrical connection	3x400/230 V, 50 Hz+N+PE		
Electric motor power consumption	0,75 kW	1,1 kW	1,5 kW
Electrical protection	IP 40		
Weight*	56-65 kg		56-75 kg
* depending on the gas train size			

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-55	DN 1½" BSP			DN 1" BSP		
ABG-60	DN 1½" BSP			DN 1" BSP		
ABG-80	DN 2" BSP		DN 1½" BSP			
LPG firing burner gas train diameters for different connecting pressures.						
ABG-55	-	DN 1" BSP				
ABG-60	-	DN 1" BSP				
ABG-80	-	DN 1½" BSP		DN 1" BSP		

Outline drawing and connecting dimensions:

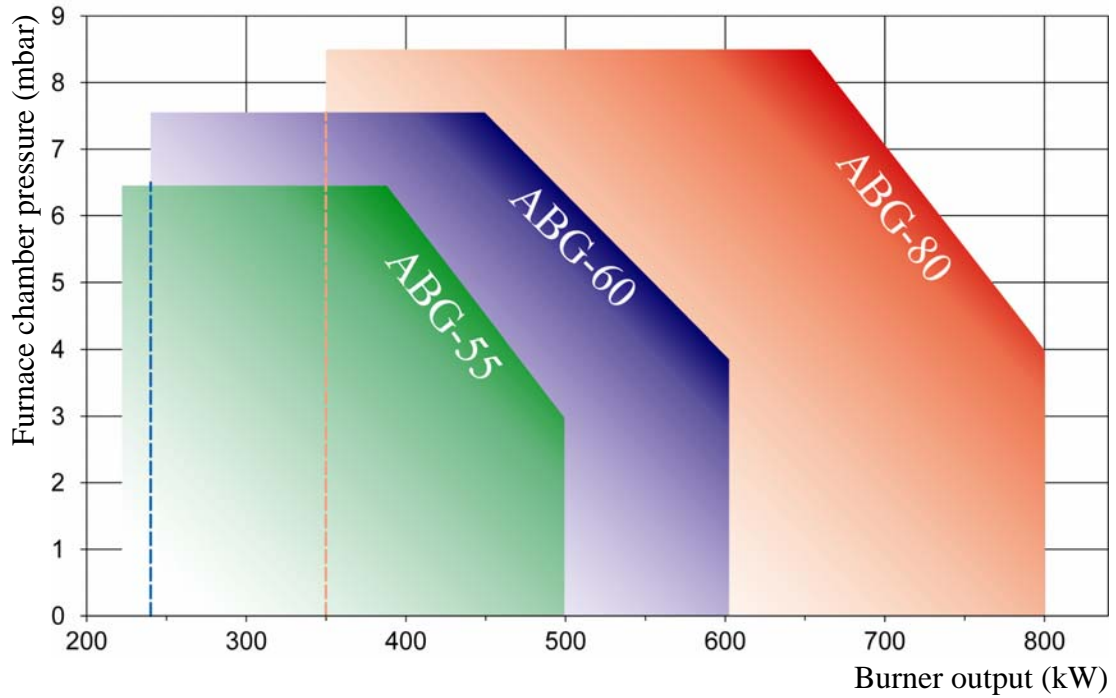


Dimensions [mm]			
ABG	-55	-60	-80
A	590	700	700
B	160	180	180
C	470	535	535
D1	160	190	190
D2	170	205	205
d1	226	262	262
E	265	340	340
F	260	310	310
H	575	695	695
K	185	236	236
L	160	160	160
M	220	240	240

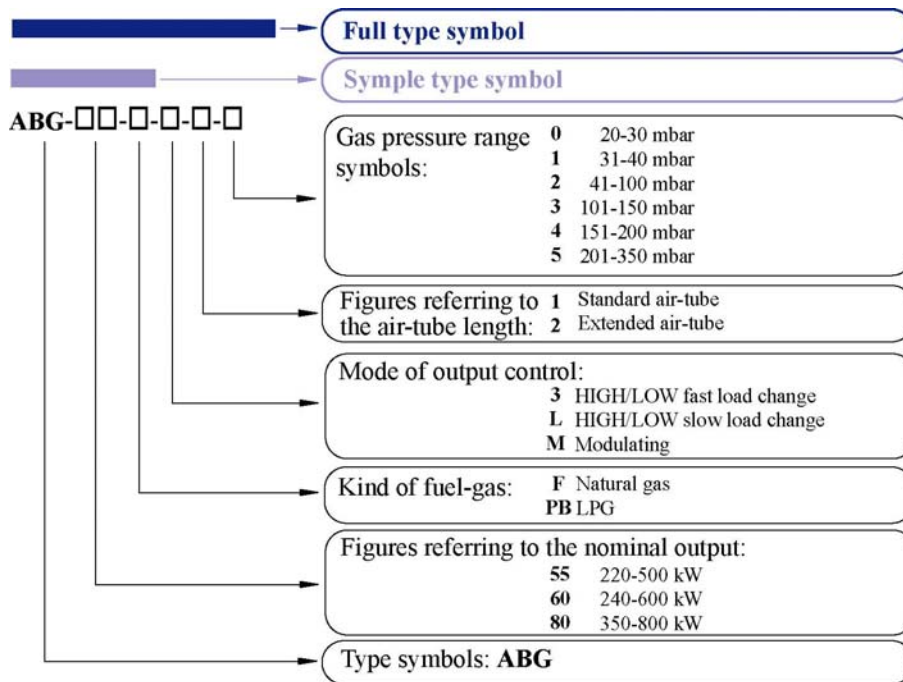
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Furnace chamber pressure – burner output characteristics:



Gas burner type symbols:



Regional Sales Office:

Transdanubian Sales Office: H-8300 Tapolca Juhász Gy. u. 2/1. Tel/F.: + 36-87-510-670
 Your regional dealer:



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