

# NEW

Available  
from April 2010

## TBG 35 P from 80 to 410 kW



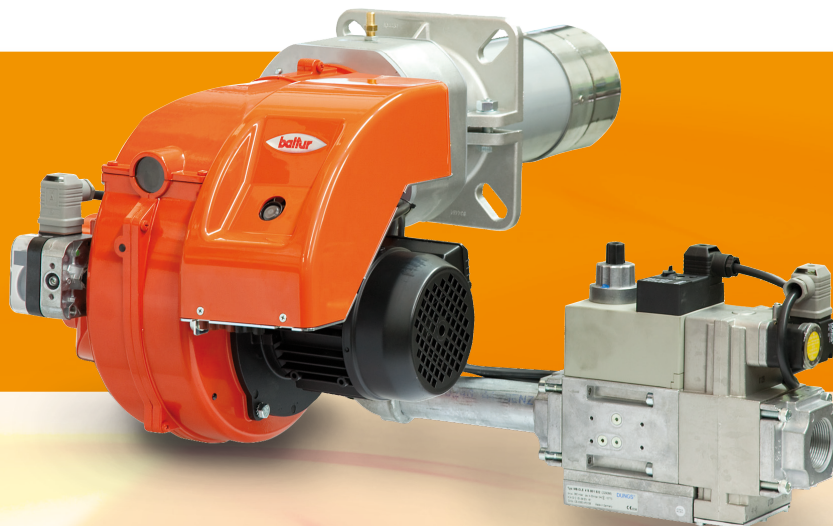
Low NOx



### Two-stage gas burners



Conform to:  
Gas Directive 90/396/CEE  
E.M.C. Directive 89/336/CEE  
L.V. Directive 73/23/CEE  
Reference standard: EN676



#### TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Low NOx and CO emissions gas burner compliant with European standard EN676 "Classe III".
- Two-stage operation (high/low flame), the stage switch is progressive.
- High ventilation efficiency, low electrical input, low noise.
- Exhaust gas recycling blast-pipe able to achieve very low pollutant emissions, particularly with regard to nitrous oxides (NOx).
- Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
- Regulation of air flow rate for first and second stage with damper closure on standby to prevent in-flue heat dispersion.
- Gas regulation by means of one stage operating valve, electrically controlled.
- Possibility to choose gas train with valve tightness control.
- Gas train exit from the bottom.
- Equipped with one 4 and 7-pole connector, one flange and one insulating seal for boiler fastening.

#### CONSTRUCTION CHARACTERISTICS

The burner consists of:

- Air intake with butterfly gate for the regulation of the air combusting flow rate.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- Air pressure switch to ensure the presence of combustion air.
- Air flow regulation for first and second stage by means of electric servomotor.
- Gas train complete with safety valve and one stage operating valve electrically controlled, min pressure switch, pressure regulator and gas filter.
- Flame detection by ionisation electrode.
- Automatic control and command equipment for the burner, compliant with European standard EN298.
- Intelligent connectors for burner/train (error proof).
- 7 poles plug for the auxiliary feeding and for the thermostatic connection, 4 poles plug to control the second stage operation.
- Prepared for microamperometer connection with ionisation cable.
- Electrical protection rating IP40.

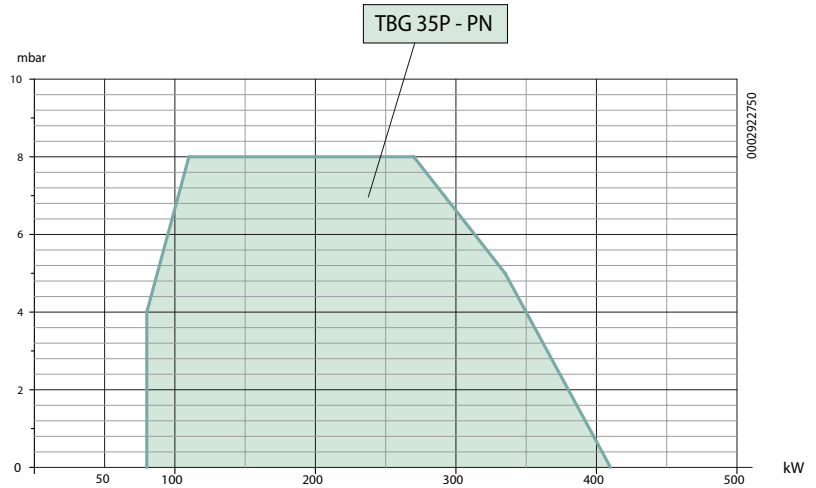
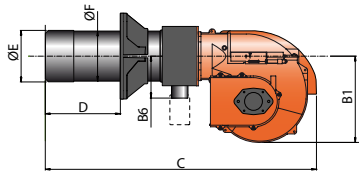
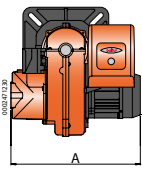
Thermal output kW	Model	Part no.	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg	Notes
80 ÷ 410	TBG 35 P	17330010	1N AC 50Hz 230V	0,37	1010 x 490 x 390	38	4)

#### Notes

4) Equipped with automatic device for air closing.

# NEW

## TBG 35 P from 80 to 410 kW



Model	A mm	B1 mm	B6 mm	C mm	D mm	E mm	F mm
TBG 35 P	440	270	160	860	140 ÷ 300	137	133

### Burner/gas train match

Burner model	Gas type	Curve on graph	P.Max ** mbar	Execution	Gas train	Regulator with incorporated filter	Burner/gas train adapter	Valve tightness control kit	Pic.	Notes
					Part no.	Part no.	Part no.	Part no.		
TBG 35 P	NATURAL GAS	112A	360	CTV	19990545	Included	96000005	-	B7	
					19990545	Included	96000005	98000100	B7	
					19990546	Included	96000004	-	B7	
					19990546	Included	96000004	98000100	B7	
		112C	360	CTV	19990547	Included	96000004	-	B7	
					19990547	Included	96000004	98000100	B7	
					19990548	Included	-	-	B7	
					19990548	Included	-	98000100	B7	

Burner model	Gas type	P.Min * mbar	Execution	Gas train	Regulator with incorporated filter	Burner/gas train adapter	Valve tightness control kit	Pic.	Notes
				Part no.	Part no.	Part no.	Part no.		
TBG 35 P	GPL	30	CTV	19990545	Included	96000005	-	B7	
				19990545	Included	96000005	98000100	B7	

### Notes

CTV) Gas train with Valve Tightness Control.

\*) Minimum gas train inlet pressure needed to obtain maximum burner power with a combustion chamber backpressure of zero.

\*\*) Maximum gas inlet pressure at pressure regulator in CE version, at gas train for EXP version.  
Net calorific value at reference conditions of 0°C, 1013mbar:

Natural gas HI 35,8MJ/m<sup>3</sup> = 8550 kcal/m<sup>3</sup>  
LPG HI 92MJ/m<sup>3</sup> = 22000 kcal/m<sup>3</sup>

**baltur**  
TECNOLOGIE PER IL CLIMA

**Baltur S.p.A.**

Via Ferrarese, 10

44042 Cento (Fe) - Italy

Tel. +39 051-6843711

Fax: +39 051-6857527/28

www.baltur.it

info@baltur.it

Quality System Certified

UNI-EN ISO 9001 I.C.I.M. n° 202

Data reported in this brochure shall be considered as indicative; Baltur reserves the right to change them without previous notice.

Pressure drop (combustion head + gas train + pressure regulator) TBG 35P Natural gas CE

