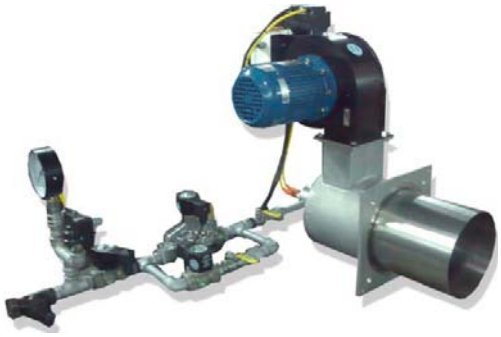
AIR HEATING GAS BURNERS
RUBPACK SERIES

GENERAL INFORMATION

Rubpack are a very compact model of packed gas burners. They are ideally suited for air heating process.
They work upon a mix of gas and air in the nozzle. The nozzle has been designed for general air heating in industrial process.
Gas goes through the nozzle along the axis of the air diffuser cone, where the combustion air is progressive tangentially mixed with the gas. As a result, there is a wide turndown that arrive to 50 :1 in gas and 8 :1 in air. So the flame is very stable in all its range under a great variety of firing conditions.
These burners are available in two basic versions: 1) packed with integral combustion air blower, or 2) for use with external blower (for example, one air supply system for several burners).

APPLICATIONS

Air heating process, ovens, dryer, for industrial general uses.
They are applied in combustions chambers as ducted with external blower.
They are ideally suited to operate in systems with strong under manometer pressure.
In many cases can be installed in a cross air flow condition.



FREQUENT APPLICATIONS

Painting ovens, paper and textile dryers, food industries, toasters, kiln, cereal dryers, incinerators, burner of flue gas, air heating in chambers or ducts, etc.

ADVANTADGES

- *Can be used with natural gas, methane, propane, butane, or many others combustion gases.*
- *No flame backward.*
- *Perfect stable over all its firing range.*
- *Stable direct ignition without pilot flame.*
- *Short flame with large diameter.*
- *Easy installing and maintenance.*
- *Can be installed in system with very important under atmospheric pressure.*
- *Can be supplied with gas or gas/air manual or automated regulating systems. Automated system allows two firing mode or totally modulating stoichiometric or point to point regulation.*
- *Are manufactured with or without combustion air blower or gas ramp.*
- *The combustion sleeve is refractory stainless steel made, and can operate up to 650°C*

RUBCAR A.Borghi
Ameghino 1877 - CP 1407 - Buenos Aires - Argentina
Telefax: (0054-11) 4682-9114 - Rot. 4683-5233
Wayler@rubcar-borghi.com.ar - www.rubcar-borghi.com.ar

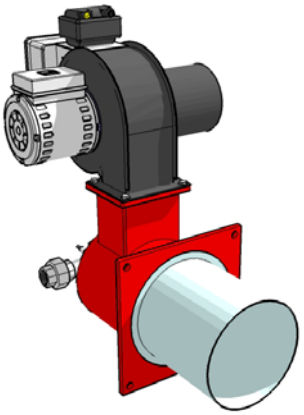
Technical data

FT08-RBK

General information

Model	RBK 170		RBK 200		RBK 300	
Burner type	Mix in nozzle					
Combustible	Natural Gas or LPG					
Static pressure(mbar)	20 or 160 for natural gas / 28 or 80 for LPG					
Minimum nominal(Kcal/h)	50.000	160.000	350.000	550.000	1.000.000	2.000.000
Maximum nominal(Kcal/h)	150.000	300.000	500.000	1.000.000	1.500.000	4.000.000
Motor 50Hz (HP)2800 rpm	0.4 M	0.75 T	1 T	2 T	2 T	3 T
Motor 60Hz (HP)3400 rpm	0.4 M	1 T	1.5 T	3 T	3 T	4 T

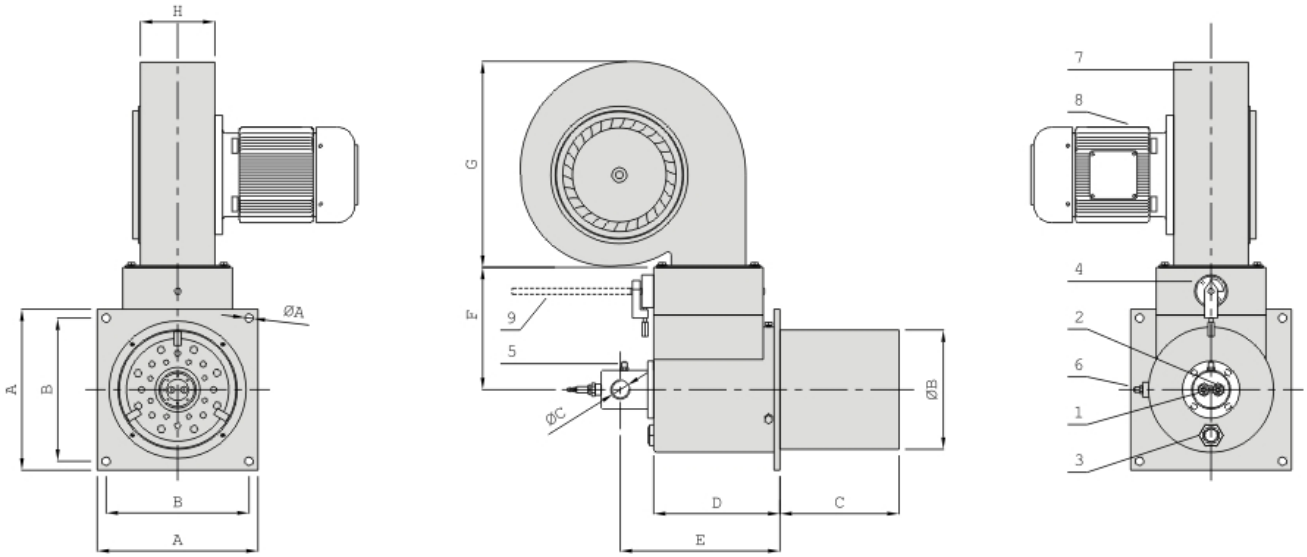
* Capacity rated at atmospheric pressure
* M = mono phase / T = three phases



- **Direct ignition without pilot**
- **Large diameter and short flame**
- Aluminium body burner
- Stainless steel AISI 304 for the burner outlet
- Flame sight glass

Burner

General drawing



Model	A	B	C	D	E	F	G	H	ØA	ØB	ØC
RBK 170	270	240	200	212	268	205	336	111	14	170	1″
RBK 200	270	240	200	212	280	205	402	134	14	200	2″
RBK 300	400	350	300	360	425	300	871	158	20	300	2″

Dimensions in mm, and can be modified without previous notification

Reference	Denomination	Reference	Denomination
1	Spark rod	6	Air pressure test point
2	Flame sensor rod	7	Combustion air blower
3	Flame sight glass	8	Electric motor
4	Air damper	9	Optional damper shaft
5	Gas pressure test point		

A.Borghi
Ameghino 1877 - CP 1407 - Buenos Aires - Argentina
Telefax: (0054-11) 4682-9114 - Rot. 4683-5233
Wayler@rubcar-borghi.com.ar - www.rubcar-borghi.com.ar