

Carlin[®]
Combustion Technology, Inc.

Commercial Gas Burners

Look No Further!
Combining high performance, easy servicing and a quality build, Carlin has the burners to fit your commercial gas needs.

Carlin[™]
Combustion Technology, Inc.
East Longmeadow, MA

Carlin[™]
Combustion Technology, Inc.
IGNITOR

MODEL: 41000
INPUT: 120V, 60Hz, 40VA
OUTPUT: 14KV, 35mA
MIDPOINT GROUND

UL US

07/20/15

US PAT. NO. 4,683,518

INSTALL ORIFICE
BEFORE FIRING

Fault History
▼ (2 Sec)
Press any button to
activate display

POWER HV LIM T-T BV FLAME
MOTOR MOTOR VALVE
Flame Proven
2.8 microAmp DC

USE COPPER
CONDUCTORS ONLY

Carlin[®]
Combustion Technology, Inc.
Made in USA

COMMERCIAL / INDUSTRIAL
GAS BURNER

MODEL 601GAS

Proven for years in the field and in extensive boiler and furnace testing, these burners will meet your needs for commercial gas-burning applications.

- Comes standard with time-tested solid state ignition and state of the art microprocessor primary control technology.
- Factory-packaged with combustion control and fully assembled gas train.

201GAS



301GAS/601GAS



Burner Model	Head/Tube	MBH
201GAS	"B"	215 to 300
	"A"	300 to 399

Features

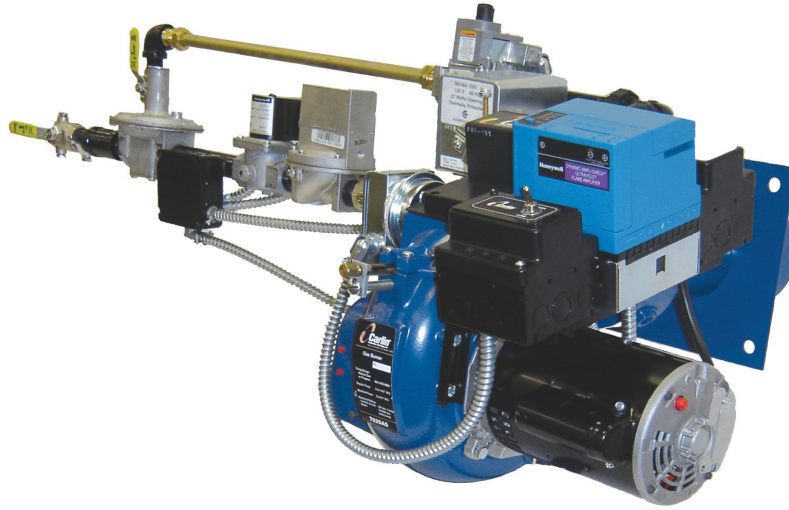
- Converts from propane to natural gas with just an orifice change. No conversion kit needed!
- Provides dependable, direct spark ignition of main flame for quick, clean light-offs.
- High efficiency, compact flame pattern design ensures clean, quiet operation.
- Shipped completely pre-wired for easy installation and startup. Knockdown version also available.

Burner Model	Head/Tube	MBH
301GAS	"B"	401 to 700
	"C"	550 to 1,100
601GAS	"11/B"	700 to 1,000
	"21/C"	800 to 1,050
	"32/D"	900 to 1,500

Features

- Converts from propane to natural gas with just an orifice change. No conversion kit needed!
- Factory-packaged with combustion control and gas train (assembled, shipped loose; also available as knockdown).
- Shipped completely pre-wired for easy installation and startup. Knockdown version also available.
- Does not require a refractory liner. Fires with or without a combustion chamber.
- Swing-away housing design.
- Available with custom welded air tube flange (and/or optional pedestal) to accommodate most appliance mounting requirements.

702GAS



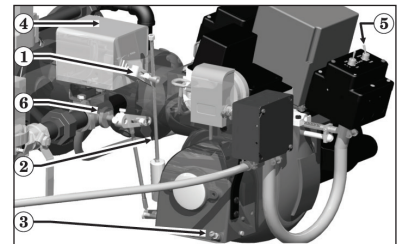
Burner Model	Gas Input	MBH
702GAS	High Fire	840 to 1,600
	Low Fire	490 to 910

Features

- Adjustable combustion head assembly for unmatched fuel/air mixing, smooth light-offs and quiet operation.
- The automatically-closed air damper and low-high-low step modulation improve efficiency by effectively matching output to demand and reducing standby losses.
- Blower access cover allows full view of blower compartment.
- Burners use the same air handling parts for all firing rates.
- “Jacob’s-ladder” electrode tips for wide spark pattern and reliable ignition.
- High resistance to pulsation.

Air-Fuel Ratio System

- Actuator arm
- Linkage and counterweight
- Low-fire adjusting screw
- Damper motor
- Low-fire hold switch
- Butterfly gas valve & linkage



When used for low-high-low operation:

On a call for heat, the burner motor starts pre-purge. The air shutter is in low-fire position.

Following pre-purge, the pilot gas valve and spark are activated. After pilot flame is proven, main gas valves open and gas flows through the butterfly valve. Pilot ends and main flame must be proven.

If the boiler high-fire controller calls for high fire, the damper motor begins to open the damper and gas butterfly valve.

When the high-fire controller is satisfied, the burner returns to low-fire. When call for heat is satisfied, the burner shuts off.

Seeing is Believing!

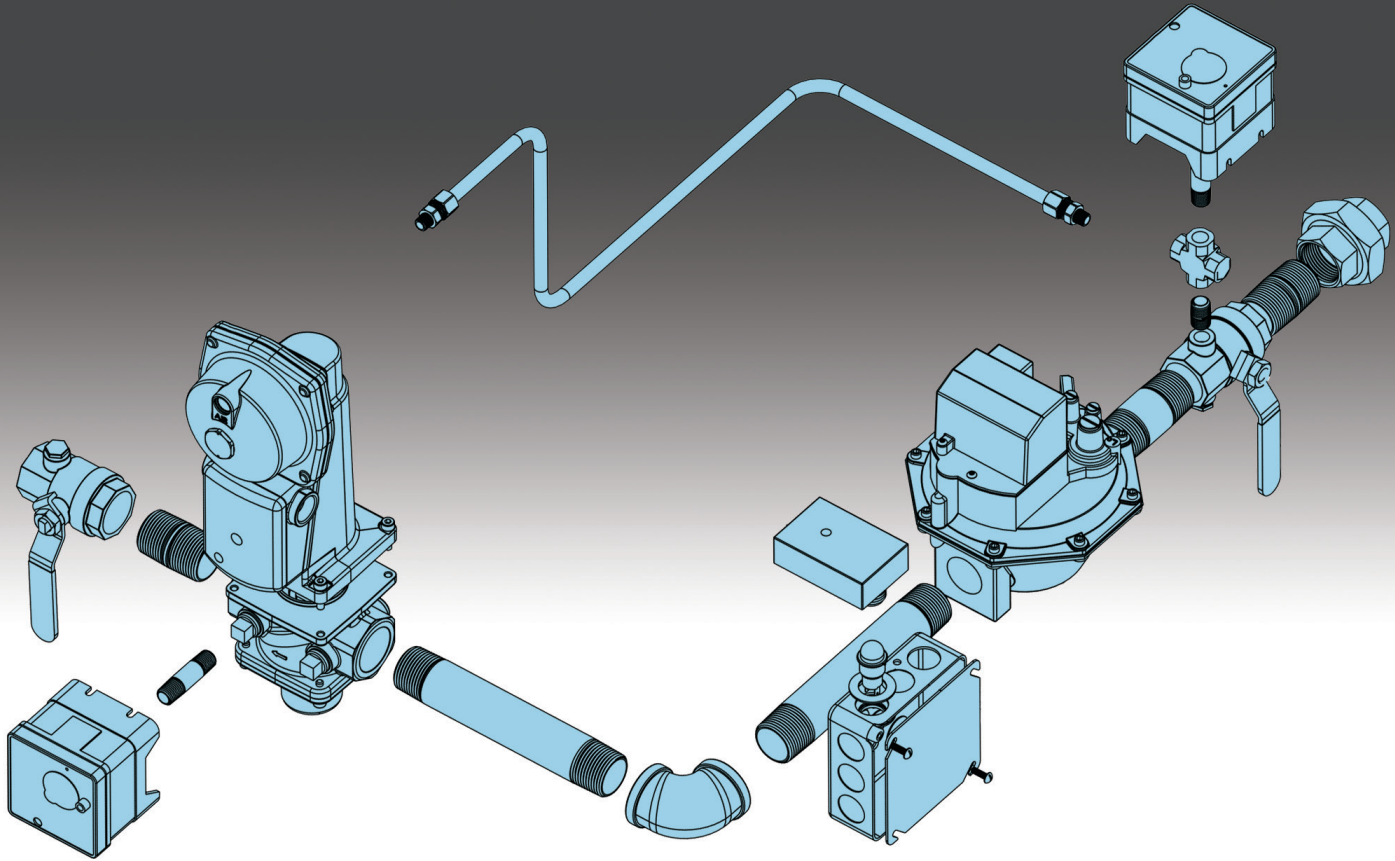
Carlin's new Model 60200FR gas burner primary brings state of the art technology to our trusted control. Designed and made right in the U.S., this control sets the bar high for all gas primaries.

Features

- On board LCD screen displays burner status as well as fault messages.
- Built-in diagnostics to identify component failures.
- Features easy on board programming
- Stores detailed fault history up to 50 fault cycles, taking the guess work out of servicing.
- Other features include Blocked Vent Input, Alarm Contacts and more!



Now Available...
***The Convenience of
Ventless Gas Trains***



- Featuring Siemens gas regulator (1", 1½" or 2") and safety shutoff valve
 - Outside vent line not required
- Ventless gas trains configured with Mass Code compliant components
 - Traditional vented and Mass Code gas trains also available

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