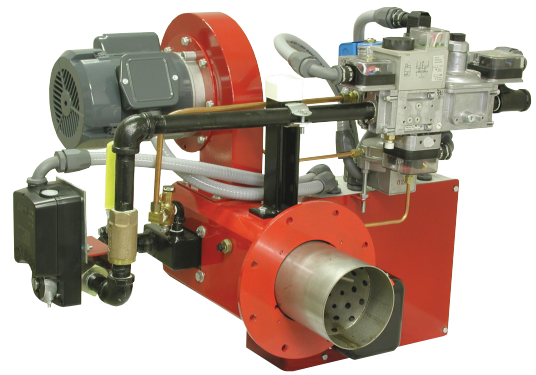


Capacity Range:
200,000 BTU/hr to 30 MM BTU/hr



PC Package Burner

Custom Packages Provide Superior Performance

Selas PC Package Burners are custom designed for air heating applications requiring nominal capacities from 200,000 to 30,000,000 BTU/hr. PC burners provide high turndown, reliable ignition, and flexible air and gas control options. Typical packages contain a burner, spark ignitor, flame rod and flame safeguard, blower and motor, gas train with air-fuel control, and prewired mounted control panel.

How It Works

Air-Gas Modulation Options for Efficient Operation

Flexible air-gas controller options allow for fixed air or ratio air modulation, as well as high/low gas control, gas-only modulation, or precision gas modulation to automatically adjust air-gas ratio to maintain oven temperature within 3°F. Air-gas ratios controlled with linkage system for easy adjustment in-house. 4-20 mA signal control motors are standard with all gas modulation options.

Wide Range of Applications, One Burner

For burner applications that require 200,000 to 30MM BTU/hr, PC Package Burners offer several, flexible controller options and 40:1 turndown. Specially designed package configurations available for very low BTU input applications that require consistent operation like roasting. Higher turndowns available for specially designed systems. Gas trains are approved for use in all countries and motors are available for 60Hz and 50Hz frequencies.

Applications:

- Ovens
- Air Heaters
- Textile Machines
- Food, Paper & Pulp, and Plastic Processing
- Paper Drying
- Fume Incineration
- Metal Industry
- Low Temperature Metal Finishing

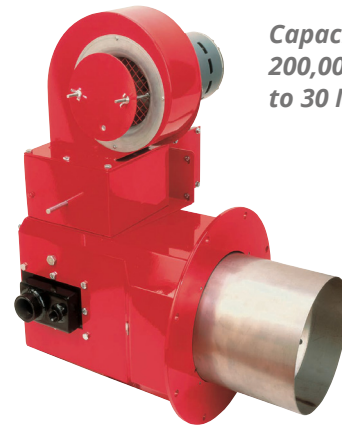


Typical Burner Packages Include:

- Basic burner assembly: burner, spark ignitor, flame rod, and peep sight.
- Integral combustion air blower fitted with TEFC blower motor: either 115/230/1/60 or 230/460/3/60) and air pressure switch.
- Air and fuel control with control motor: fixed air – high/low gas, fixed air – gas only modulation; proportional air/gas control, precision air/gas control.
- Gas train with automatic shut-off valves, pressure switches, and regulators, meeting the requirements of NFPA 86 & CSA for operation in North America.
- Mounted, pre-wired NEMA 12 control panel with external display Includes on-off switch, reset button, and burner run and flame failure indication lights.
- Configurations for operation in other countries are available, consult the factory.

Options

- Ultra-Violet scanner
- Temperature controller
- High temperature limit
- Main gas regulator
- Pilot gas train
- Remote terminal control panel



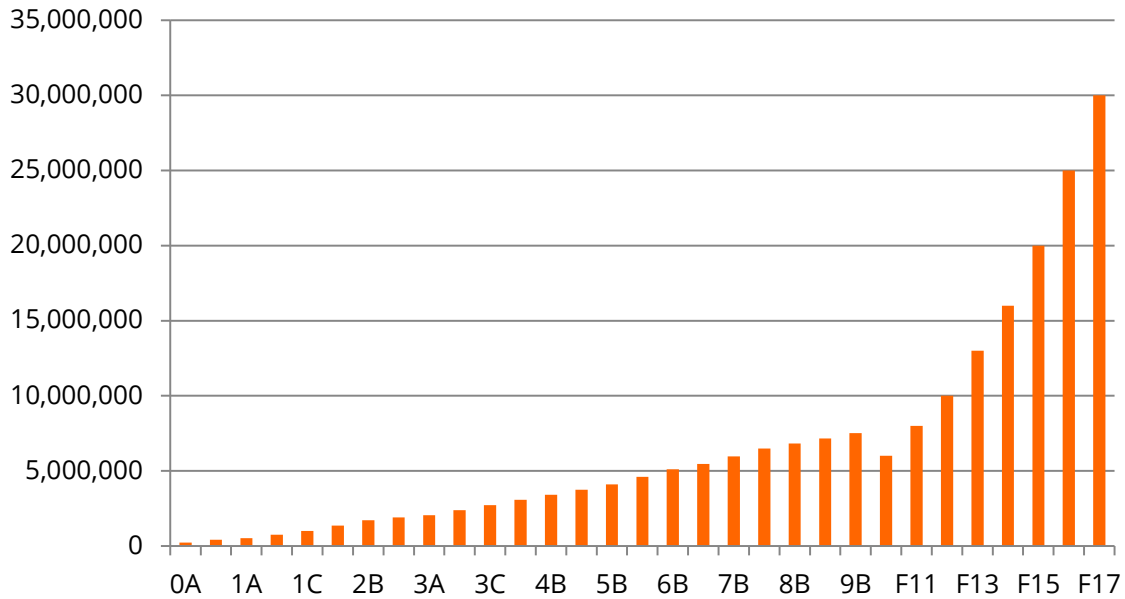
Capacity Range:
200,000 BTU/hr
to 30 MM BTU/hr

Features	Benefits
PC nozzle design promotes turbulent conditions for complete combustion	Consistent flame stability across operating conditions High fuel efficiency, lower operating costs
Small capacity models and orifice configurations available	Most cost-effective solution for low heat input applications
Turndown Gas only modulation: 25:1 Air & Gas Modulation: 40:1	Process temperature uniformity Wide range of firing rates eliminating unnecessary burner shut-down and untimely restarts
Direct spark ignition available	Easy to use, compact for smaller package footprints
Parts are easily accessible	Reduced maintenance time and effort



11012 Aurora Hudson Rd • Streetsboro, OH 44241
1-800-523-6500 • sales@selas.com
www.selas.com

PC Package Burner Performance



High Fire Burner Capacity (BTU/hr) Per Model

0A	239,000	3C	2,729,000	8B	6,824,000
0B	410,000	4A	3,070,000	9A	7,165,000
1A	512,000	4B	3,412,000	9B	7,506,000
1B	750,000	5A	3,753,000	F10	6,000,000
1C	1,000,000	5B	4,094,000	F11	8,000,000
2A	1,365,000	6A	4,606,000	F12	10,000,000
2B	1,706,000	6B	5,118,000	F13	13,000,000
2C	1,911,000	7A	5,459,000	F14	16,000,000
3A	2,047,000	7B	5,971,000	F15	20,000,000
3B	2,388,000	8A	6,482,000	F16	25,000,000
				F17	30,000,000

