

**INDUSTRIAL
COMBUSTION**



XL



SBR-5



Q

BURNER SOLUTIONS

Burner Applications Guide



Burner and Control Upgrades Are Easier Than Ever.

Designed for maximum efficiency and low emissions, Industrial Combustion offers the right burner solution for nearly any boiler room application. With our extensive engineering expertise and vast aftermarket support network, we can help determine which burner is right for you.

The right burner for virtually any application.

Industrial Combustion engineering team can design a turnkey solution for any boiler and any application. Contact a Industrial Combustion authorized representative to help determine beneficial upgrades to your system.


Evaluate your burner and controls for an upgrade if:

- Your burner or boiler controls are more than 10 years old


■ Burner controls are not fully integrated with boiler loads

■ You must reduce emissions while maintaining efficiency
- Existing burners are cycling on/off frequently

■ Alternate fuels could provide energy savings and/or reduced emissions

		Boiler Horsepower																	
Fuel Type	NG combustion NOx level	10BHP	20BHP	30BHP	50BHP	60BHP	80BHP	90BHP	100BHP	150BHP	200BHP	250BHP	400BHP	600BHP	800BHP	1000BHP	1200BHP	1500BHP	2200BHP
XL-Series																			
Gas	Uncontrolled															XLG-420	XLG-504	XLG-630	XLG-924
Gas	<30 ppm w/FGR															LNXLG-420	LNXLG-504	LNXLG-630	LNXLG-924
Gas	<9 ppm w/FGR															NTXLG-420	NTXLG-504	NTXLG-630	NTXLG-924
Dual Fuel	Uncontrolled															XLG-420	XLG-504	XLG-630	XLG-924
Dual Fuel	<30 ppm w/FGR															LNXLG-420	LNXLG-504	LNXLG-630	LNXLG-924
Dual Fuel	<9 ppm w/FGR															NTXLG-420	NTXLG-504	NTXLG-630	NTXLG-924
S1-Series																			
#6 oil	Uncontrolled																S1E-420	S1E-504	S1E-630
Gas/#6 dual	Uncontrolled																S1EG-420	S1EG-504	S1EG-630
SBR-30 Series																			
Gas	<30 ppm																		
Dual Fuel	<30 ppm																		
SBR-5 Series																			
Gas	<5 ppm w/FGR																		
Dual Fuel	<5 ppm w/FGR																		
E-Series																			
Gas	Uncontrolled																		
Gas	<30 ppm w/FGR																		
Dual Fuel	Uncontrolled																		
Dual Fuel	<30 ppm w/FGR																		
D-Series																			
Gas	Uncontrolled																		
Gas	<30 ppm w/FGR																		
Gas	<9 ppm w/FGR																		
Dual Fuel	Uncontrolled																		
Dual Fuel	<30 ppm w/FGR																		
Dual Fuel	<9 ppm w/FGR																		
MTH-Series																			
Gas	<9 ppm																		
V-Series																			
Gas	Uncontrolled																		
Gas	<30 ppm w/FGR																		
Dual Fuel	Uncontrolled																		
Dual Fuel	<30 ppm w/FGR																		
Q-Series																			
Gas	Uncontrolled																		

Can be used with a hydrogen blend up to a maximum of 20% H₂. Wobbe index to be within 10% of NG. Supply pressure and gas valve sizing to be selected accordingly. For more information on hydrogen combustion please connect with Industrial Combustion or your local representative.



HYDROGEN
BLEND READY

Advanced Controls Make the Difference.

Industrial Combustion burners can truly reach their full potential when paired with an appropriate, integrated burner management system. Only through proper controls can the burner constantly fire at peak performance. There are numerous options from several manufacturers that can add significant fuel savings and increased efficiency.

- Parallel Positioning
- Controlling Lead/Lag
- Variable-Speed Drive
- Adjusting Oxygen Trim



Touchscreen Controls

Industrial Combustion's advanced burner control systems include a complete burner cabinet featuring feedwater pump controls, water level controls, and a single-point power supply.

Request a Control Systems Comparison from your local representative.

Burner and Control Upgrades Are Easier Than Ever.

Industrial Combustion's engineering team can design a turnkey solution for any boiler and any application. Contact an Industrial Combustion authorized distributor to help determine beneficial upgrades to your system.

Evaluate your burner and controls for an upgrade if:

- Existing burners are cycling on/off frequently wasting energy
- Your burner or boiler controls are more than 10 years old
- Burner controls are not fully integrated with boiler loads
- You must reduce emissions while maintaining efficiency
- Alternate fuels could provide energy savings and/or reduced emissions



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