INDUSTRIAL COMBUSTION



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:

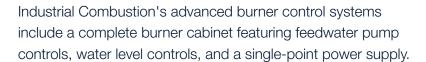
- Your burner or boiler controls are more than 10 years old
- Burner controls are not fully integrated with boiler loads
 You must reduce emissions while maintaining efficiency
- Existing burners are cycling on/off frequently
 Alternate fuels could provide energy savings and/or reduced emissions

	NG combustion	Boiler Horsepower																	
uel Type	NOx level	10BHP	20BHP	30BHP	50BHP	60BHP	80BHP	90BHP	100BHP	150BHP	200BHP	250BHP	400BHP	600BHP	800BHP	1000BHP	1200BHP	1500BHP	2200
-Series																			
Gas	Uncontrolled															XLG-420	XLG-504	XLG-630	XLG-
as	<30 ppm w/FGR															LNXLG-420	LNXLG-504	LNXLG-630	LNXL
as	<9 ppm w/FGR															NTXLG-420	NTXLG-504	NTXLG-630	NTXL
ual Fuel	Uncontrolled															XLLG-420	XLLG-504	XLLG-630	XLLG
ual Fuel	<30 ppm w/FGR															LNXLLG-420	LNXLLG-504	LNXLLG-630	LNXLI
ual Fuel	<9 ppm w/FGR															NTXLLG-420	NTXLLG-504	NTXLLG-630	NTXL
-Series															A DE VI				
6 oil	Uncontrolled															S1E-420	S1E-504	S1E-630	
as/#6 dual	Uncontrolled														1	S1EG-420	S1EG-504	S1EG-630	
R-30 Se	ries																		
as	<30 ppm											No.	SBR30G-168	SBR30G-252	SBR30G-336	SBR30G-420	SBR30G-504		
oual Fuel	<30 ppm										-		SBR30LG-168	SBR30LG-252	SBR30LG-336	SBR30LG-420	SBR30LG-504		
R-5 Seri																			
as	<5 ppm w/FGR										10	SBR5G-105	SBR5G-168	SBR5G-252	SBR5G-336	SBR5G-420			
oual Fuel	<5 ppm w/FGR											SBR5LG-105	SBR5LG-168	SBR5LG-252	SBR5LG-336	SBR5LG-420			
Series											HART.								
Gas	Uncontrolled												EG-168	EG-252	EG-336	EG-420			
as	<30 ppm w/FGR											146	LNEG-168	LNEG-252	LNEG-336	LNEG-420			
oual Fuel	Uncontrolled												ELG-168	ELG-252	ELG-336	ELG-420			
oual Fuel	<30 ppm w/FGR												LNELG-168	LNELG-252	LNELG-336	LNELG-420			
Series																			
as	Uncontrolled									131	DG-84	DG-105	DG-168	DG-252	DG-336	DG-420			
Gas	<30 ppm w/FGR									Se las	LNDG-84	LNDG-105	LNDG-168	LNDG-252	LNDG-336	LNDG-420			
as	<9 ppm w/FGR										NTDG-84	NTDG-105	NTDG-168	NTDG-252	NTDG-336	NTDG-420			
oual Fuel	Uncontrolled								1		DLG-84	DLG-105	DLG-168	DLG-252	DLG-336	DLG-420			
ual Fuel	<30 ppm w/FGR										LNDLG-84	LNDLG-105	LNDLG-168	LNDLG-252	LNDLG-336	LNDLG-420			
ual Fuel	<9 ppm w/FGR								7		NTDLG-84	NTDLG-105	NTDLG-168	NTDLG-252	NTDLG-336	NTDLG-420			
ΓH-Serie	s			-	6														
as	<9 ppm					MTH-25	MTH-34		MTH-42	MTH-63	MTH-84	MTH-105	MTH-168	MTH-252	MTH-336				
Series					110.04	W0.05	110.04		110.10	110.00	110.04	110.405	110.400	Can	he used with	a hydrogor	hlend un-to		<u> </u>
ias ias	Uncontrolled			"G - 1000	VG-21	VG-25	VG-34		VG-42	VG-63	VG-84	VG-105	VG-168	Can be used with a hydrogen blend up to a maximum of 20% H_2 . Wobbe index to be					
	<30 ppm w/FGR		-	100	LNVG-21	LNVG+25	LNVG-34	_	LNVG-42	LNVG-63	LNVG-84	LNVG-105	- 100		nin 10% of NO				
ual Fuel	Uncontrolled				VLG-21	VLG-25	VLG-34	_	VLG-42	VLG-63	VLG-84	VLG-105	VLG-168						
ual Fuel	<30 ppm w/FGR			13990	LNVLG-21	LNVLG-25	LNVLG-34	_	LNVLG-42	LNVLG-63	LNVLG-84	LNVLG-105	_	valve sizing to be selected accordingly. For more information on hydrogen combustion					
Series	6)																	
as	Uncontrolled	Q6-055	Q6-075	Q6-100	Q8-175	Q8-250	Q8-340	Q8-380						please connect with Industrial Combustion or your local representative.					

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



Request a Control Systems Comparison from your local representative.



Touchscreen Controls

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- Your burner or boiler controls are more than 10 years old
- Burner controls are not fully integrated with boiler loads
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