



GO™ Ultra-Low NOx Package Burner

Lower Emissions and Advanced Technology.

Zeeco's GO Ultra-Low NOx Package Burner utilizes staged flame combustion and Internal Flue Gas Recirculation (IFGR) combustion to achieve 30ppm NOx emissions without the use of FGR. The burner is ideal for firetube and watertube boilers, and for generating heat and steam in commercial, institutional, and light industrial applications. The GO burner delivers dramatically lower emissions and engineering technology that can only come from the global authority in combustion and environmental solutions—Zeeco.

Burner Features and Benefits

- Compact and versatile design for easy installation
- Safe, reliable, easy to set up, simple to maintain
- NOx reduction using Staged Flame and Internal Flue Gas Recirculation
 - 30 ppm (58mg) NOx at 15% excess air levels, No FGR
- Fires natural gas and propane gas
- 10:1 High Turndown
- Quiet operation with typical noise levels below 85dBA
- Complete integrated system with automatic flame monitoring and shut-off, control

Standard Equipment

- Blower/Motor
- Burner Management System (BMS) Siemens LMV3/LMV51, or AutoFlame Mini Mark 8
- NEMA 1 Integrated Control Panel with Power On switch and indicator lights for power, pilot, main flame, and flame failure
- Parallel Positioning System with air and fuel actuators
- Air and fuel control (BV) valves with servo motors
- Combustion Air Proving Switch
- Ignition Transformer with pilot assembly
- Hinged Blast Tube
- Blower Inlet Silencer
- Pilot Train - includes regulator, solenoid valve, and manual valve
- Main Fuel Train - includes ventless regulator, ventless dual block main gas shutoff valves, high and low pressure switches, two manual gas valves

Optional Equipment

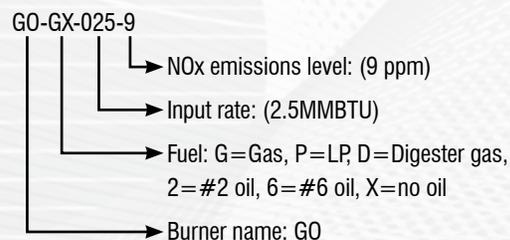
- All UL listed Burner Management Systems
- O2 Trim
- Variable Frequency Drive (VFD)
- Remote Control Panels

✓ Standard
○ Optional

Burner Selection

Burner Model	Frame Size	Burner Size MMBTU	Turndown Gas	BMS System Standard	Scanner UV	IR
GO-GX-025-30	1	2.5	10-1	LMV37	✓	○
GO-GX-030-30		3.0				
GO-GX-042-30		4.2				
GO-GX-053-30	2	5.3	10-1	LMV37	✓	○
GO-GX-063-30		6.3				
GO-GX-084-30		8.4				
GO-GX-105-30	3	10.5	10-1	LMV51	✓	○
GO-GX-126-30		12.6				
GO-GX-147-30		14.7				
GO-GX-168-30		16.8				
GO-GX-210-30	4	21.0	10-1	LMV51	✓	○
GO-GX-252-30		25.2				
GO-GX-294-30		29.4				
GO-GX-336-30	5	33.6	10-1	LMV51	✓	○
GO-GX-378-30		37.8				
GO-GX-420-30		42.0				
GO-GX-504-30	6	50.4	10-1	LMV51	✓	○
GO-GX-546-30		54.6				
GO-GX-630-30		63.0				

Burner Model Naming Convention





BURNERS



FLARES



INCINERATORS



PARTS & SERVICE

GO™ Ultra-Low NOx Package Burner

Burner model: GO
 Heat release range: 2.5 MMBtu/hr to 63 MMBtu/hr (0.73 MW to 18.5 MW)
 Fuel Gas: Natural Gas, LPG, or other upon request
 Turndown: up to 10:1
 Excess air range: 10% to 20%
 Expected emissions levels: 30ppm (58mg) NOx at 15% excess air
 Mounting options: Horizontal, Vertical, Up, or Down Firing



Burner Selection

Burner Model	Burner Size			Boiler		Blower Motor HP	Furnace Pressure		Standard Gas Train Size	Required Min Gas	
	Frame Size	MMBTU HHV	MW/h LHV	HP 80% Eff.	ton/h 90% Eff.		[inch W.C.]	[mBar]		Pres. [PSI]	Pres. [mBar]
GO-GX-025-30	1	2.5	0.65	60	0.95	2	2	5	2	0.15	10
GO-GX-030-30		3.0	0.78	71	1.14	2	2	5	2	0.15	10
GO-GX-042-30		4.2	1.10	100	1.60	2	2	5	2	0.15	10
GO-GX-053-30	2	5.3	1.37	125	2.00	2.5	4	10	2	0.15	10
GO-GX-063-30		6.3	1.64	150	2.39	2.5	4	10	2	0.15	10
GO-GX-084-30		8.4	2.19	200	3.19	3	4	10	2	0.5	34
GO-GX-105-30	3	10.5	2.74	250	3.99	5	6	15	2.5	1.0	69
GO-GX-126-30		12.6	3.29	300	4.79	5	6	15	2.5	1.0	69
GO-GX-147-30		14.7	3.84	350	5.59	7.5	6	15	2.5	1.0	69
GO-GX-168-30		16.8	4.38	400	6.38	7.5	6	15	2.5	1.0	69
GO-GX-210-30	4	21.0	5.48	500	7.98	10	8	20	3	6.0	414
GO-GX-252-30		25.2	6.58	600	9.58	15	8	20	3	6.0	414
GO-GX-294-30		29.4	7.67	700	11.17	15	8	20	3	6.0	414
GO-GX-336-30	5	33.6	8.77	800	12.77	15	8	20	3	6.5	414
GO-GX-378-30		37.8	9.87	900	14.36	20	8	20	4	6.5	414
GO-GX-420-30		42.0	10.96	1000	15.96	25	8	20	4	6.5	414
GO-GX-504-30	6	50.4	13.15	1200	19.15	30	8	20	4	6.0	414
GO-GX-546-30		54.6	14.25	1300	20.75	30	8	20	4	6.0	414
GO-GX-630-30		63.0	16.44	1500	23.94	40	8	20	4	6.0	414

ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



REGISTERED
ISO 9001: 2008

CERTIFICATION APPLIES TO ZEECO HEADQUARTERS ONLY.

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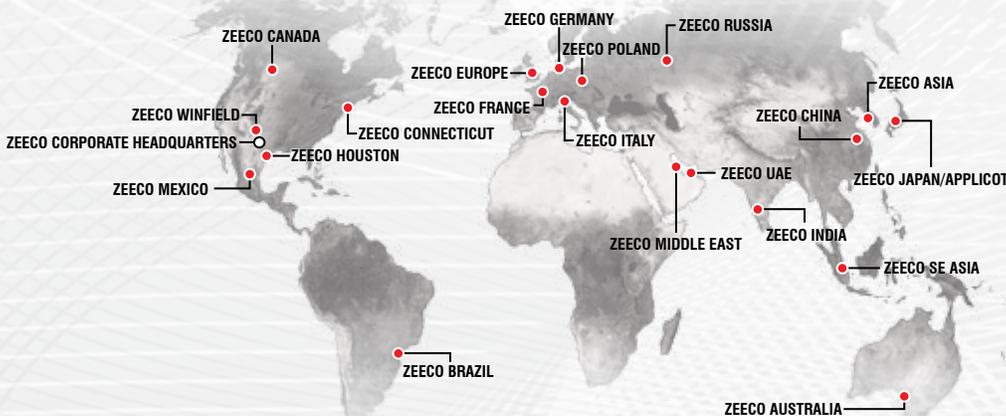
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GO-Mini™ Package Burner

Bigger Performance. Better Results.

Zeeco's GO-Mini Package Burner takes combustion innovation to the next level with big performance in a compact package. Ideal for firetube, watertube, cast iron boilers, and for generating heat and steam in commercial, institutional, and light industrial applications, the GO-Mini burner delivers quiet, stable combustion and the engineering technology that can only come from the global authority in combustion and environmental solutions—Zeeco.

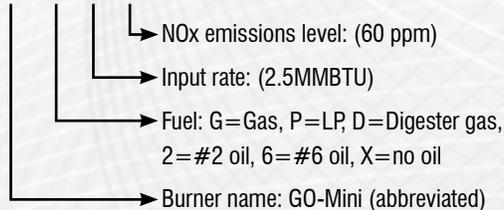
Burner Features and Benefits

- Compact and versatile design for easy installation
- Safe, reliable, easy to set up, simple to maintain
- Quiet operation with typical noise levels below 85dBa
- Fires natural gas and propane gas
- Up to 10:1 Turndown
- Direct spark ignition system
- Complete integrated system with automatic flame monitoring and shut-off, control panel, fuel control, and combustion air fan
- Integrated PWM signal input for full speed air modulation
- Blower/Motor
- Burner Management System (BMS) Siemens LMV3 or AutoFlame Mini Mark 8
- NEMA 1 Integrated Control Panel with Power On switch and indicator lights for power, pilot, main flame, and flame failure
- Parallel Positioning System with fuel actuators
- Fuel control (BV) valves with servo motors
- Air control via PWM signal
- Combustion Air Proving Switch
- Ignition Transformer with direct spark ignition assembly
- Hinged Blast Tube
- Main Fuel Train - includes ventless regulator, ventless dual block main gas shutoff valves, high and low pressure switches, two manual gas valves

Standard Equipment

Burner Model Naming Convention

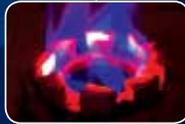
GOM-GX-025-60



Burner Selection

√ Standard
o Optional

Burner Model	Frame Size	Burner Size MMBTU	Turndown Gas	BMS System Standard	BMS System Optional	Scanner UV	Scanner IR	Direct Spark Ignition System	Pilot Ignition System
GOM-GX-005-60	1	0.5	8-1	LMV37	AutoFlame Mk8 MM	√	o	√	o
GOM-GX-010-60		1.0							
GOM-GX-015-60		1.5							
GOM-GX-017-60	2	1.7	10-1	LMV37	AutoFlame Mk8 MM	√	o	√	o
GOM-GX-020-60		2.0							
GOM-GX-025-60		2.5							
GOM-GX-030-60		3.0							
GOM-GX-035-60	3.5						√	o	



BURNERS



FLARES



INCINERATORS



PARTS & SERVICE

GO-Mini™ Package Burner

Burner model: GO-Mini
 Heat release range: 0.5 MMBtu/hr to 3.5 MMBtu/hr (0.15 MW to 1.03 MW)
 Fuel Gas: Natural Gas, LPG, or other upon request
 Turndown: up to 10:1
 Excess air range: 10% to 25%
 Expected emissions levels: 60ppm (116mg) NOx at 15% excess air
 Mounting options: Horizontal, Vertical, Up, or Down Firing



Burner Selection

Burner Model	Burner Size			Boiler		Blower Motor HP	Furnace Pressure		Standard Gas Train Size	Required Min Gas	
	Frame Size	MMBTU HHV	MW/h LHV	HP 80% Eff.	ton/h 90% Eff.		[inch W.C.]	[mBar]		Pres. [PSI]	Pres. [mBar]
GOM-GX-005-60	1	0.5	0.13	12	0.19	0.5	1	2	1.5	0.14	10
GOM-GX-010-60		1.0	0.26	24	0.38	0.5	1	2	1.5	0.14	10
GOM-GX-015-60		1.5	0.39	36	0.57	0.5	1	2	1.5	0.14	10
GOM-GX-017-60	2	1.7	0.44	40	0.65	0.75	1	2	2	0.14	10
GOM-GX-020-60		2.0	0.52	48	0.76	0.75	1	2	2	0.14	10
GOM-GX-025-60		2.5	0.65	60	0.95	0.75	1	2	2	0.14	10
GOM-GX-030-60		3.0	0.78	71	1.14	0.75	1	2	2	0.14	10
GOM-GX-035-60		3.5	0.91	83	1.33	0.75	1	2	2	0.14	10

ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



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