



GO™ Ultra-Low NOx Package Burner

Lower Emissions and Advanced Technology.

Zeeeco'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. For single digit NOx emissions, the burner needs less than 15% 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—Zeeeco.

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
 - 9 ppm (17mg) NOx at 15% excess air levels, with 15% FGR
- Fires natural gas, propane gas, and oil
- 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

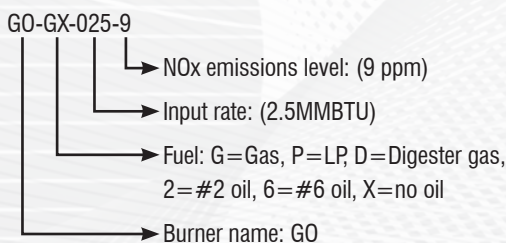
- All UL listed Burner Management Systems
- O2 Trim
- Variable Frequency Drive (VFD)
- Remote Control Panels
- Air Compressor for air atomized oil

Burner Selection

Burner Model	Frame Size	Burner Size MMBTU	Turndown Gas	Turndown Oil	Oil Atomization	BMS System Standard	Scanner UV	IR
GO-GX-025-30	1	2.5	10-1	3-1	Pressure	LMV37	✓	o
GO-GX-030-30		3.0						
GO-GX-042-30		4.2						
GO-GX-053-30	2	5.3	10-1	3-1	Pressure	LMV37	✓	o
GO-GX-063-30		6.3						
GO-GX-084-30		8.4						
GO-GX-105-30	3	10.5	10-1	4-1	Pressure	LMV51	✓	o
GO-GX-126-30		12.6		8-1	Air			
GO-GX-147-30		14.7						
GO-GX-168-30		16.8						
GO-GX-210-30	4	21.0	10-1	8-1	Air	LMV51	✓	o
GO-GX-252-30		25.2						
GO-GX-294-30		29.4						
GO-GX-336-30	5	33.6	10-1	8-1	Air	LMV51	✓	o
GO-GX-378-30		37.8						
GO-GX-420-30		42.0						
GO-GX-504-30	6	50.4	10-1	8-1	Air	LMV51	✓	o
GO-GX-546-30		54.6						
GO-GX-630-30		63.0						

✓ Standard
o Optional

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

15ppm (29mg) NOx at 15% excess air with <10% FGR

9ppm (17mg) NOx at 15% excess air with <15% FGR

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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