

Assembly Numbers

LO-NOX™ Line Burner Material Specifications>		LN3 Iron bodies [1] with #321 stainless steel mixing plates		LN4 Iron bodies [1] with #310 stainless steel mixing plates		LN5 Iron bodies [1] with Hastelloy X mixing plates	
Configured Item Number>		LN3		LN4		LN5	
Item	Description	Designation	Assembly Number	Designation	Assembly Number	Designation	Assembly Number
Burner Sections	6" straight (-6)	LN3-6-G-120	1049724 (15)	LN4-6-G-120	1049725 (15)	LN5-6-G-120	1049726 (15)
	12" straight (-12)	LN3-12-G-120	1049739 (22)	LN4-12-G-120	1049740 (22)	LN5-12-G-120	1049741 (22)
	12" x 6" tee (-T)	LN3-T-G-120	1049842 (30)	LN4-T-G-120	1049843 (30)	LN5-T-G-120	1049844 (30)
	12" x 12" cross (-X) [1]	LN3-X-D-120	1049775 (35)	LN4-X-G-120	1049776 (35)	LN5-X-D-120	1049777 (35)
Back Inlet Feed Sections (each requires an inlet flange from options listed below)	12" back inlet straight (-12B)	LN3-12B-G-12-0	1049754 (31)	LN4-12B-G-12-0	1049755 (31)	LN5-12B-G-12-0	1049756 (31)
	12" x 12" back inlet cross (-BX) [1]	LN3-BX-D-120	1049833 (42)	LN4-BX-D-120	1049834 (42)	LN5-BX-D-120	1049835 (42)
A.N.S. Inlet Flange Options for back inlet feed sections above	For "12B" back inlet sections (cast iron)	2" NPT	04122 (3) / 21380*				
		2-1/2" NPT	18694 (4) / 21444*				
		3" NPT	00295 (5) / 21384*				
		4" NPT	15348 (7) / 25949 *				
	For 12" x 12" back inlet cross sections (ductile iron)	3" NPT	18806 (6) / 24493*				
		4" NPT	18807 (7) / 22006*				
End Plate & End Inlet Flange Sets	Plain end plate set	LN3-AL3-G	1050142 (4)	LN4-D	1050148 (4)	LN5-D	1050153 (4)
	2" NPT inlet set	LN3-AL3-G	1050143 (4)	---	---	---	---
	2" NPT inlet set w/ SQ Pipe Plug	LN3-AL3-G	1052134	---	---	---	---
Direct Spark End Plate & End Inlet Flange Sets	DS set includes #18075 spark ignitor & provision for mounting flame rod; order flame rod separately - available in sealed (#1104615) and unsealed (#18117) versions	LN3-AL3-G	1050144 (5)	LN4-D	1050149 (5)	---	---
	2" inlet DS set includes #18075 spark ignitor & provision for mounting flame rod; order flame rod separately - available in sealed (#1104615) and unsealed (#18117) versions	LN3-AL3-G	1050145 (5)	LN4-D	1050150 (5)	LN5-D	1050154 (5)

[1] 12" x 12" cross and 12" x 12" back inlet cross sections include ductile iron body castings; all others are gray iron
* ISO threaded.

NOTE: To order line burner arrangements, order appropriate configured item number. To order loose items, order individual assembly numbers.

Approximate net ship weight (in pounds) shown in parentheses

Assembly Numbers

LO-NOX™ Line Burner Material Specifications >		LN3 Gray iron bodies [1] with #321 stainless steel mixing plates	LN4 Gray iron bodies [1] with #310 stainless steel mixing plates	LN5 Gray iron bodies [1] with Hastelloy X mixing plates	
Item	Description				
AIRFLO-PAK Pilot Sets (each requires a pilot mixer from options listed below)	AIRFLO-PAK pilot set FR/SI for direct end-mounted flame rod/UV scanner & spark ignitor (includes #18075 spark ignitor; order flame rod, if used, and pilot mixer separately)	1050146 (8)	1050151 (8)	1050155 (8)	
	AIRFLO-PAK pilot set FR/SI for externally mounted flame rod/UV scanner & spark electrode (order flame rod and/or spark electrode, pilot mixer, and external mounting assembly separately)	1050147 (8)	1050152 (8)	1050156 (8)	
Pilot Mixer Options for AIRFLO-PAK pilot assemblies above	Atmospheric pilot mixer	16948 (1)	20103		
	Atmospheric pilot mixer includes shut-off cock, tubing, and #39294 adjustable orifice	12326 (2)	---	---	
	Pressure pilot mixer includes #38579 adjustable orifice	17082 (2)	11680		
External Mounting Plate Assemblies	For internal spark ignitor & external UV scanner	19561 (3)			
	For internal spark ignitor & internal flame rod	19225 (3)			
	For external spark electrode & external UV scanner (order spark electrode separately)	36593 (3)	36544 (3)		
Spark Ignitor/Electrode Sub-Assemblies	14mm spark ignitor (for direct mounted assemblies) (R)	18075 (0.5)			
	Externally mounted electrodes (A)	L = 12"	---	36539 (2.5)	
		L = 18"	36538 (4)	36540 (4)	
		L = 24"	---	36541 (6)	
		L = 36"	---	36542 (8)	
Flame Rod Sub-Assemblies	Flame rod L = 7.125" (for direct mounted assemblies)	Unsealed	18117 (0.5)	18117	
		Sealed	1104615	1104615	
	Flame rod L = 24" (for externally mounted assemblies)	36537 (1.3)	---		
End Plate Spare Fastener Kit	Plated	1068679			
	Stainless steel	1068678			
	A-286 high temp	1068686			
Optional Accessory and Replacement Items	Universal support bracket (order in pairs) (A)	Plated carbon steel, good up to 800°F	23577 (0.2)		
		#304SS, good up to 1600°F	39940 (0.2)		
	Division plate (A)	18891 (0.5)			
	Profile plate bracket (A)	20223 (0.5)			
	Flame rod L = 24" (R)	18410 (1)			
	Rubber cover for flame rod/spark ignitor (A/R)	18722 (0.2)			

[1] 12" x 12" cross and 12" x 12" back inlet cross sections include ductile iron body castings

Approximate net ship weight (in pounds) shown in parentheses

Assembly Numbers

Spare parts

Item	Description	LN3	LN4	LN5
Ceramic ignitor (without rubber cover)	12" shrouded electrode	---	24715 (2)	
	18" shrouded electrode	17426 (1)	1115240 (3)	
	24" shrouded electrode	---	1115241 (4)	
	36" shrouded electrode	---	35553 (5)	
Adjustable orifice	Adjustable orifice 3/8" (for pressure pilot mixer)	38579 (0.5)		
	Adjustable orifice (for atmospheric pilot mixer)	39294 (0.5)		
Gaskets and sealant	Body flange gasket	1047672		
	Back inlet flange gasket - straight	1047671		
	Back inlet flange gasket - H	1047671		
	Back inlet flange gasket - cross	1047674		
	Gasket sealant	39565		
Flange kits	Straight flange kit 600 degrees F (maximum)	1054762		
	Straight flange kit 800 degrees F (maximum)	1054764		
	Straight back inlet flange kit 800 degrees F (maximum)	1054765		
	36H back inlet flange kit 800 degrees F (maximum)	1049874		
	Cross back inlet flange kit 800 degrees F (maximum)	1049896		
Shut off cock	18315	---	---	
Feed-thru insulator packing	---	37218		

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