

### 12 PILOT ORIFICE SIZE CHART

NATURAL	BCR-24
LP	BCR-18

### PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY
1	582020	230V TO 24v TRANSFORMER	1
2	582021	BLOWER MOTOR	1
3	582023	<b>NAT</b> GAS VALVE OR	1
	582025	<b>LP</b> GAS VALVE	1
4	582011	<b>NAT</b> IGNITION ELECTRODE OR	1
	582015	<b>LP</b> IGNITION ELECTRODE	1
5	582012	HIGH VOLTAGE LEAD ( <b>NOT SHOWN</b> )	1
6	582022	IGNITION CONTROL MODULE	1
7	582026	MAIN ORIFICE MOUNTING FLANGE	1
8	582017	FLAME SPREADER	1
9	583017	ORIFICE FLANGE GASKET	1
10	582024	GAS VALVE SOLENOID	2

### 11 MAIN ORIFICE SIZE CHART

65,000 BTU-HR	NATURAL GAS	#26 (.147")
65,000 BTU/HR	LP GAS	#43 (.089")
150,000 BTU/HR	NATURAL GAS	#1 (.228")
150,000 BTU/HR	LP GAS	#29 (.136")

### FIRING CAPACITY

FIRING RATE BTU/HR KW	65,000 19	150,000 44
SPX-300	X	
SPK-500	X	
SP-700		X
SP(K)-1000		X
SPK-1400		X

### 230v WIRING

WHITE	•	WHITE/ORANGE
BLACK	•	ORANGE
GREEN	•	GREEN

\* CONVERSION KITS ARE AVAILABLE



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MATERIAL:  
FINISH:

TITLE:  
**230v P250 BURNER EXPLODED VIEW**

594029 - 65,000 BTU **NAT**  
594030 - 65,000 BTU **LP**  
594045 - 150,000 BTU **NAT**  
594046 - 150,000 BTU **LP**

MODELS: SPX-300 S/N: ALL  
SPK-500 S/N: K500001 TO PRESENT  
SP-700 S/N: ALL  
SP(K)-1000 S/N: ALL  
SPK-1400 S/N: ALL

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES  
LINEAR: +/- 0.005"  
ANGULAR: +/- 0.1°

SIZE  
A3

DWG NO.

**SPEXpl-B005**

REV

**1**

DO NOT SCALE DRAWING

SCALE:1:1

DRAWN BY: DAVE LEWSADER

DATE: 12/30/2019 SHEET 1 OF 1