

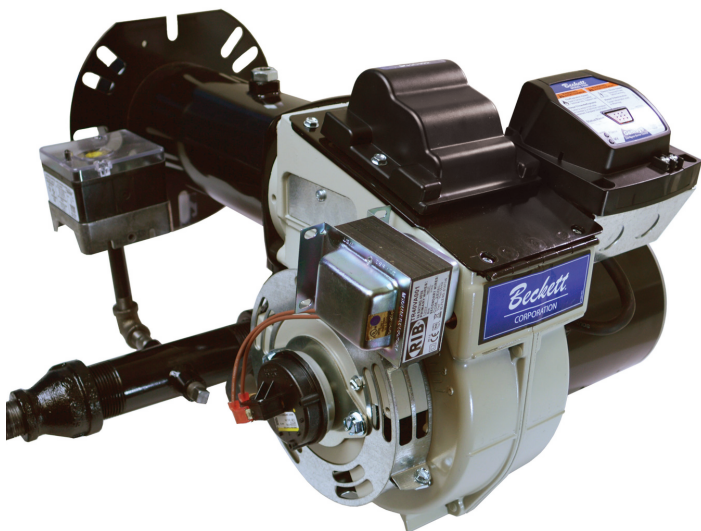


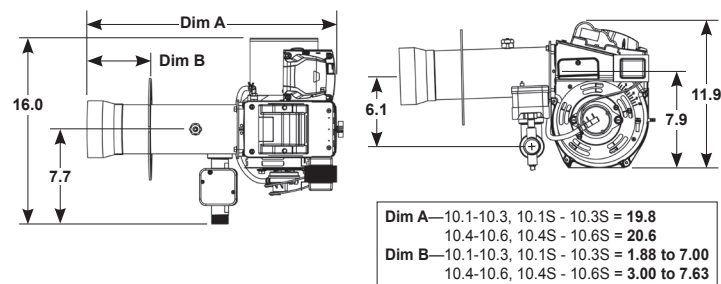
Table 1 – Burner Specifications

Input Firing Rate *	300 - 1200 MBH
Firing Mode	On-Off or On/Off with Low Fire Start
Fuel	Natural gas - 0.64 specific gravity LP gas - 1.53 specific gravity
Required Input Gas Supply Pressure	3.5" WC minimum 14" WC maximum
Input Voltage **	120 Vac + 10% / -15%; 60 Hz
Input Current	4.8 Amp
Gas Train	UL Standard 24V
Burner Control	Beckett 7590C Direct Ignition
Flame Detection	Flame Rectification
Igniter	Beckett 7474002 Gas Igniter
Motor	1/3 HP, 3450 RPM 120 volt/ 60 hz, single phase
Combustion Air Proving	Differential Pressure Switch
Weight	40 lbs.
Mounting Orientation	Up to 90° from upright with motor shaft horizontal
Dimensions	11.8 x 13.5" x 20.6"
Acceptable Ambient Temperature Range	-4°F to +104°F
Acceptable Ambient Humidity	5% - 95% RH non-condensing

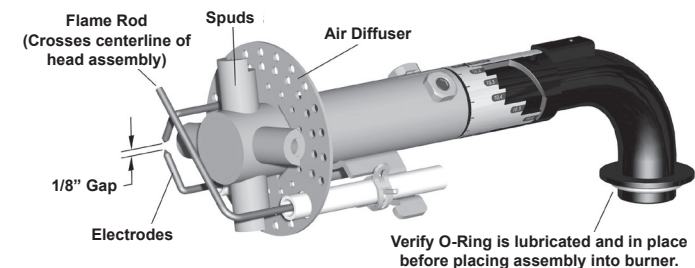
* For altitudes higher than 2,000 feet, derate the burner capacity 4% for each 1,000 feet above sea level.

** This burner is not approved for use in 50 Hz applications.

Overall Dimensions



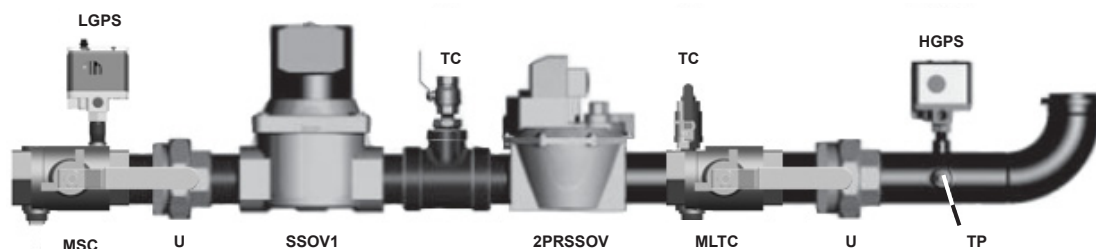
Gas Gun Assembly



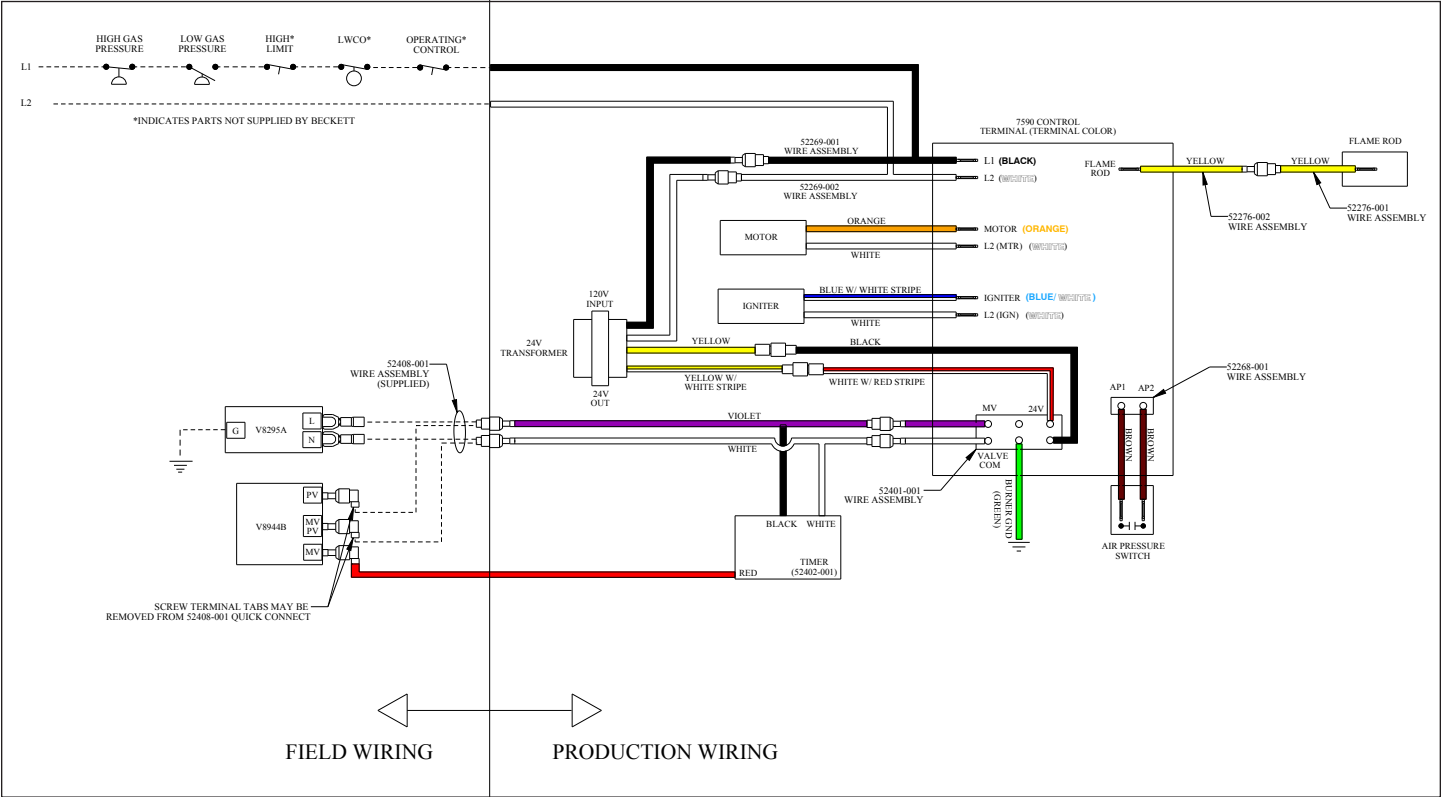
Features

S - Standard	O - Optional	N/A - Not Available
On/Off with Low Fire Start	S	
Propane Restrictor	O	
Linkageless Low/High/Low or Low/High/Off	N/A	
Modulation with Pressure/Temperature Modulating Controller	N/A	
Right or Left Side Gas Train Connection	S	
Air Pressure Switch	S	
Low Gas Pressure Switch	S	
High Gas Pressure Switch	S	
Main Shutoff Cock, Leak Test Cock, Test Connections, and Test Cocks	S	
Direct Spark Ignition of Main Flame	S	
Beckett 7590C GeniSys with Flame Rod	S	
Flame Safeguard with UV Sensor (see CG10 Literature)	N/A	
Customized Electrical Cabinet	O	
UL/CUL - CSD1 - Swiss Re	S	
FM	O	
IRI (old standard)	N/A	
Power On - Fuel On, Indicator Light	O	

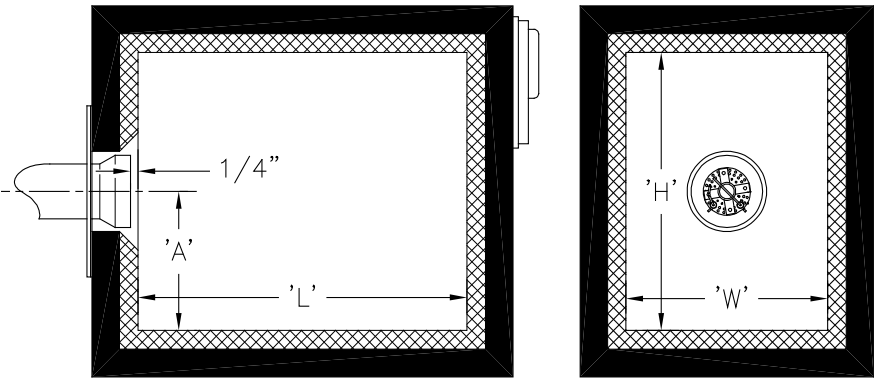
Gas Train Assembly (Typical Gas Train, other configurations are available)



Typical Wiring (Beckett 7590C GeniSys - for reference only)



Combustion Chamber Dimensions



Minimum Combustion Chamber Dimensions (inches)				
Input Firing Rate in MBH	'L' (Length)	'W' (Width)	'H' (Height)	Burner Head Centerline to floor 'A'
300-400	18	12	12	6
400-600	22	14	14	7
600-900	26	16	16	8
900-1200	30	18	18	9