

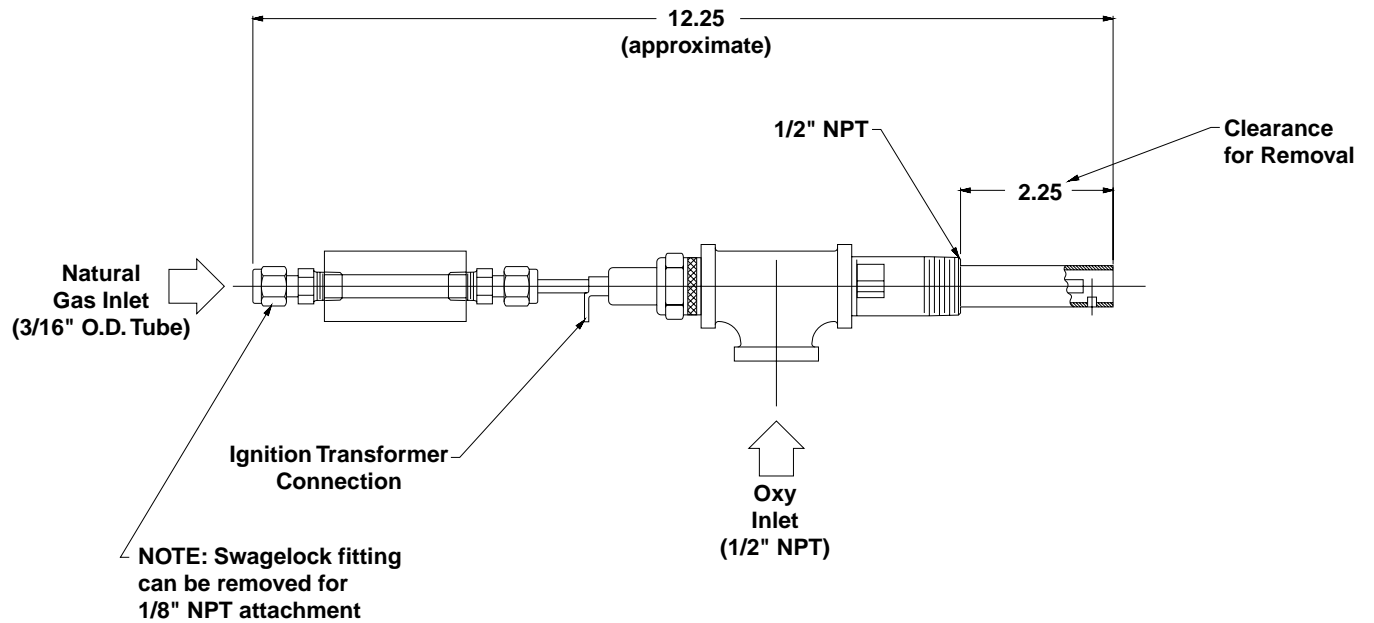
Maxon Oxy-pilot



Oxy-pilot Specifications

Fuel	Flow	Pressure	Capacity
Natural Gas	25 CFH	2.25" wc	25,000 Btu/hr
Propane	10 CFH	0.83" wc	
Oxygen	53 CFH	0.5" wc	

Dimensions (in inches)



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Ignition

Maxon recommends the use of a 6000 volt full-wave spark ignition transformer for use with the Oxy-pilot. A standard .250" female spade connector should be used on the ignition transformer connection.

The Insulator Block helps reduce stray voltages that may migrate back up the fuel line and/or damage any sensitive electronic equipment and ***must not be removed.***

Installation and Start-up

- The pilot is shipped "cleaned for oxygen service." The spark gap is factory-set. **Never attempt to disassemble the pilot.**
- Install the pilot by the NPT threads in the burner housing of the OXY-THERM® LE, or with the bolt-on pilot adapter when used on the Standard OXY-THERM®.
- When threading in the pilot, do not use a pipe wrench on the tee section; use the stainless nipple instead. Take care not to damage the stainless fuel tube when making the connection.
- The 3/16" compression fitting can be removed for 1/8" NPT connection, if preferred. The Swagelock nut should only be tightened three-quarters of a turn from finger-tight.
- Refer to the Capacity and Specification chart on the previous page for recommended pressures and flow rates.
- Spark should be constant only until the pilot lights.
- Pilot operation should always be interrupted when used with either the OXY-THERM® LE or Standard OXY-THERM® Burners. Failure to do so will result in imbalanced main burner flame and accelerated degradation of the refractory block.
- **Cooling oxygen must be used when the pilot is installed in a high temperature atmosphere and the OXY-THERM® Burner is not firing.**
- The proper sequence for igniting the pilot is: Spark on, Oxygen on, Fuel on (ignition occurs), Spark off. At this point, the main OXY-THERM® Burner can be ignited. If the burner is not going to be ignited within a few minutes, the pilot should be interrupted to extend refractory life.

Assembly Numbers

Oxy-pilot Assembly Numbers

Maxon Oxy-pilot Assembly		58378
Replacement Parts	Compression Fitting	58417
	Insulator Block	58375
	Pilot Adapter (for use with Standard OXY-THERM®)	57815
	Pilot Adapter Gasket	18850
	Pilot Adapter Bolts (3 required)	40261