

Direct Wire™ Probe Positioning Instructions For Open Flame Burners

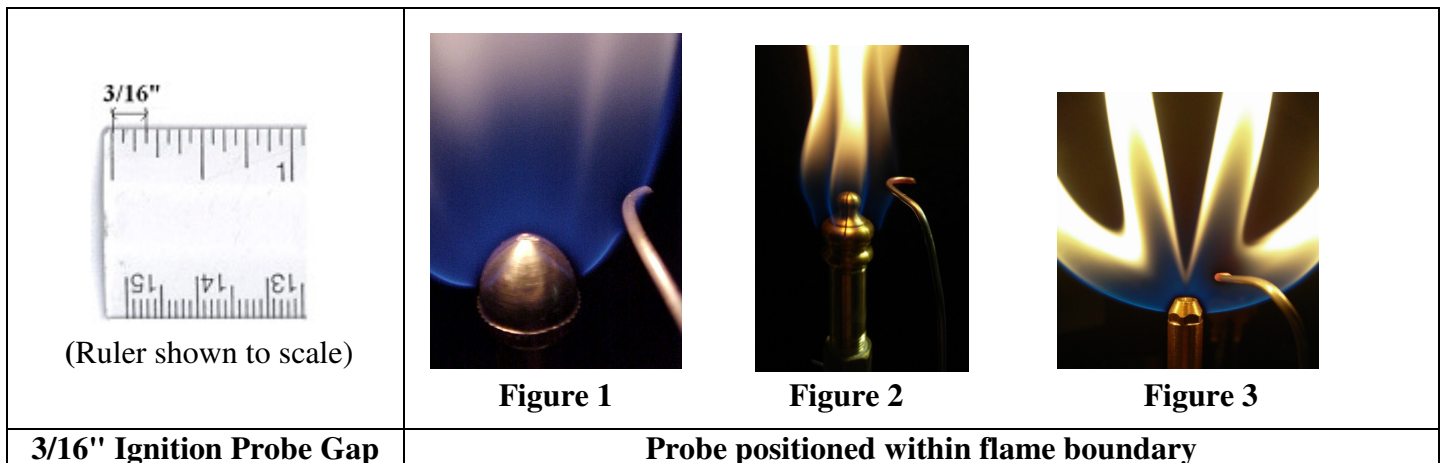
The Direct Wire™ high voltage probe uses a Kanthal™ wire that runs directly from the high voltage transformer to the spark gap at the side of the burner slit.

Align Direct Wire™ probe as shown in the photos below that correspond to your burner type.

Round Tip and Pyramid Knob burner tips: For burner styles shown in Figure 1 and Figure 2, the Direct Wire™ Probe should be lined up so that it is just inside the edge of the flame without distorting the flame. When aligning the Direct Wire™ probe, be sure to align so that it is perpendicular to the slit near the base of the burner tip; the probe gap should be approx. 3/16" – 1/4" for proper sparking. The best way to position the probe in the flame boundary is to light the flame; then you can see exactly where the boundary is. Relight and blow out flame several times until burner lights consistently.

For burner stems shown in Figure 3, the probe will light best when positioned inside the flame as shown. If you have a 3 Prong flame type, it is best to position the probe directly over the tip of the burner stem (not shown).

Avoid any type of a loop at the end of the wire; "loop" probes do not work well and cause erratic operation. Probe wire should be slightly bent around to the side (away from burner) so that the spark will come off the side of the wire and direct the spark to the brass tip at the slit area.



The igniter will not light reliably if the wire sparks from the end. It is important that wire sparks from the curved side rather than the end of the wire.

This ignition method works quite reliably and has the further advantage that the probe does not soot up, even when using propane.

If you have questions, please call 651 636-1008.