

What is the Flame Boundary?

The Flame Boundary is the outside edge of the flame where the gas and air mix. For burner styles shown in Figure 1, 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.

Exception: For burner stems shown in Figure 2, 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).

