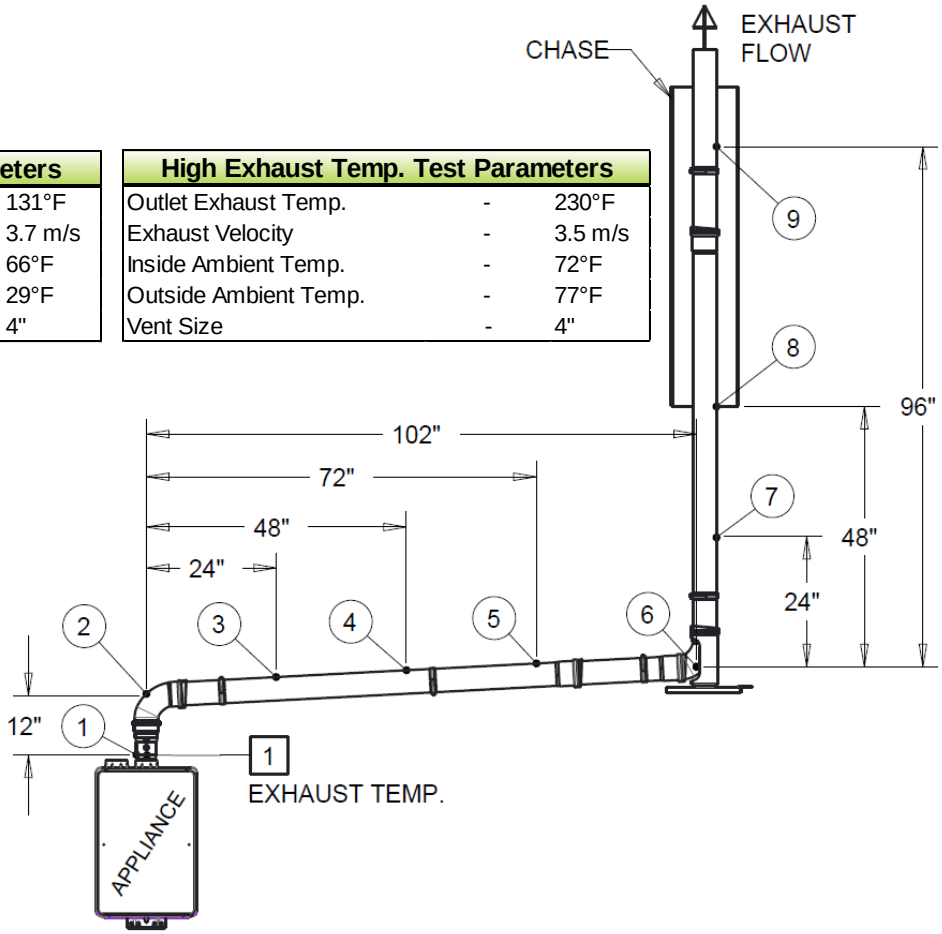
Innoflue Vent Surface Temperatures
(2 Hours Continuous Operation)

InnoFlue® Polypropylene Venting is listed and warranted for sustained exhaust gas temperatures of 230°F (110°C). It is often inquired what the surface temperatures are along a vent run. While there are many factors to take into account such as: ambient temperatures, exhaust temperatures, velocities, vent size, vent layout, vent surroundings, etc., the two sets of data below show the surface temperature change along two identical vent runs with starting exhaust temperatures of 131°F and 230°F. Each test was conducted for two hours to allow surface temperatures to reach equilibrium.

Low Exhaust Temp. Test Parameters		
Outlet Exhaust Temp.	-	131°F
Exhaust Velocity	-	3.7 m/s
Inside Ambient Temp.	-	66°F
Outside Ambient Temp.	-	29°F
Vent Size	-	4"

High Exhaust Temp. Test Parameters		
Outlet Exhaust Temp.	-	230°F
Exhaust Velocity	-	3.5 m/s
Inside Ambient Temp.	-	72°F
Outside Ambient Temp.	-	77°F
Vent Size	-	4"



Surface Temperature (°F) *(after 2 hours of continuous operation)*										
Test Simulation	**1**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Low Exhaust Temp.	131	114.1	109.4	104.9	99.9	94.1	95.2	91.3	93.3	87.8
High Exhaust Temp.	230	166.9	155.7	138.3	130.2	124.6	126.6	129.5	124.8	119.9