High Temperature Particulate Filter Kit 0024-3150

1. Scope

The High Temperature Particulate Filter Kit is for use with the PCA®2, PCA®3, and ECA450 combustion analysis products. The filter is intended as a supplemental filter for applications where ash, dust, or other particulate material is present in the combustion gases being analyzed.

Material: Stainless Steel
Filter Pore Size: 10 micron

2. Application

The High Temperature Particulate Filter Kit may be applied to many Bacharach combustion analyzer probe assemblies. The probe itself must be 5/16" (approximately 8 mm) diameter. It is recommended that a dedicated probe assembly be established for use with this filter, making it quick and easy to change to another probe as required. Simply disconnect the probe from the instrument and connect another probe.

3. Installation and Use

The filter kit comes complete and ready to install. Loosen the backing nut (but do not remove). Note that the backing nut retains two clamping ferrules. If these become lost they may be replaced with Swagelok #SS-503-1 and #SS-504-1.

To prevent the thermocouple from touching the inside of the filter, mark a point approximately 1.5 inches (38 mm) from the end of the probe tube with a marker, tape, or other means. Slide the filter onto the probe tube, stopping at the distance mark. Carefully tighten the backing nut using two wrenches. Do not over tighten. Only tighten until the filter no longer freely rotates on the probe tube. Excess tightening will result in the backing nut and ferrules possibly becoming captive on the probe tube, which is not covered under the warranty.

When taking a measurement with the filter in place, carefully observe the temperature indicated. Allowing additional time for the temperature to stabilize is normal.

4. Service Life and Cleaning

Due to the wide variety of specific applications, Bacharach does not provide guidelines for service life or cleaning. The end user may attempt to clean the filter using a cleaning method and chemicals that he or she deem appropriate to the specific usage environment.