

The Amperometric Flowcell used for Cyanide analysis has gone through a major revision that significantly improves its function. There are several ways to upgrade the old style flowcell to the new improved style. Below is a series of pictures and explanations that shows differences between the old and new style flowcells, and how to configure your old style components with these new components.

1. Amperometric Flow Cell Basic Upgrade **#EZKIT03** – Includes Upper Piece, Gasket and New Style Reference Electrode. Superior performance in peak shape and reduced tailing.
2. Amperometric Flowcell Counter Electrode Upgrade **#EZKIT04** – Includes New Style Counter Electrode and new cable that must be switched on detector module. Superior connection and better performance with the grounding function.
3. Amperometric Flow Cell Working Electrode Upgrade **#EZKIT05** – Includes Lower Piece with Silver, threaded bolt ring and the complete new style cable that must be switched on the detector module. Superior connection otherwise no significant improvement unless silver piece is damaged from extensive use over time.

New Style Amperometric Flowcell



Old Style Amperometric Flowcell



Upper Piece Old Style Flowcell:



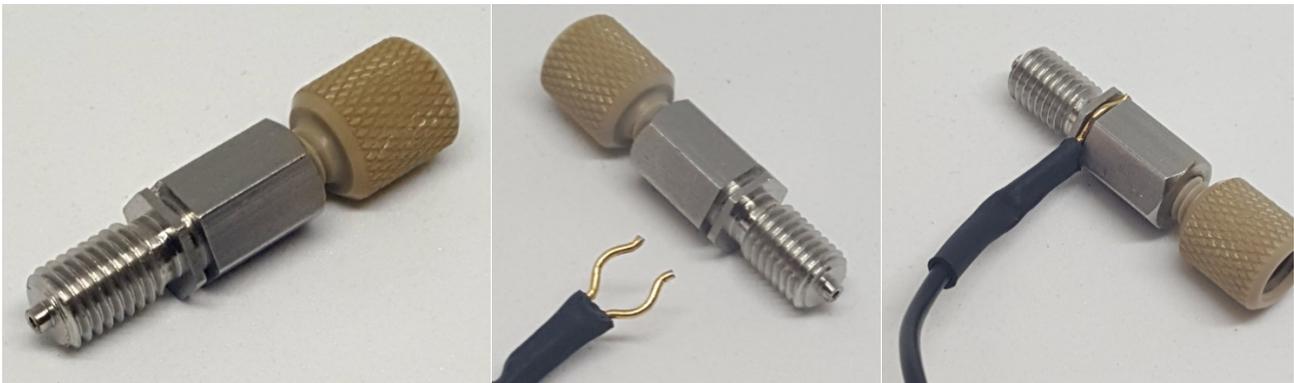
The opening is rectangular, and the flow path is cut into the piece. Note there is a gap between the bottom of the reference electrode at the path when reference electrode is installed.

Upper Piece New Style Flowcell:



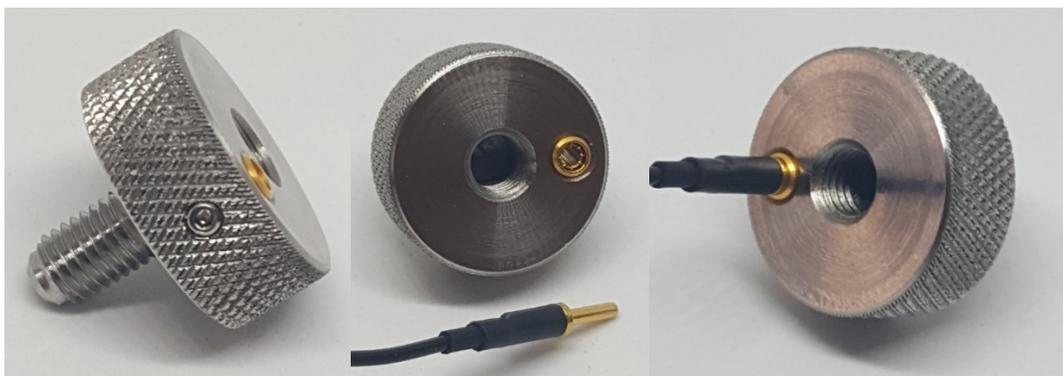
The opening is round, and a gasket is placed between the top and bottom pieces to create the flow path. Note that the bottom of the new style reference electrode has a protrusion so that it is flush and in direct contact with the fluid path when the reference electrode is installed.

Counter Electrode Old Style Flowcell:



Old Style Counter electrode will work with the new Style top piece and original cable.

Counter Electrode New Style Flowcell



New Style counter electrode requires a new cable modified with a new connector type.

Threaded Bolt Ring Old Style Flowcell



Old Style Threaded Bolt Ring will not work with new style lower piece.

Threaded Bolt Ring New Style Flowcell



New Style Threaded Bolt Ring must be configured with the notch at the silver electrode to clear the connector.