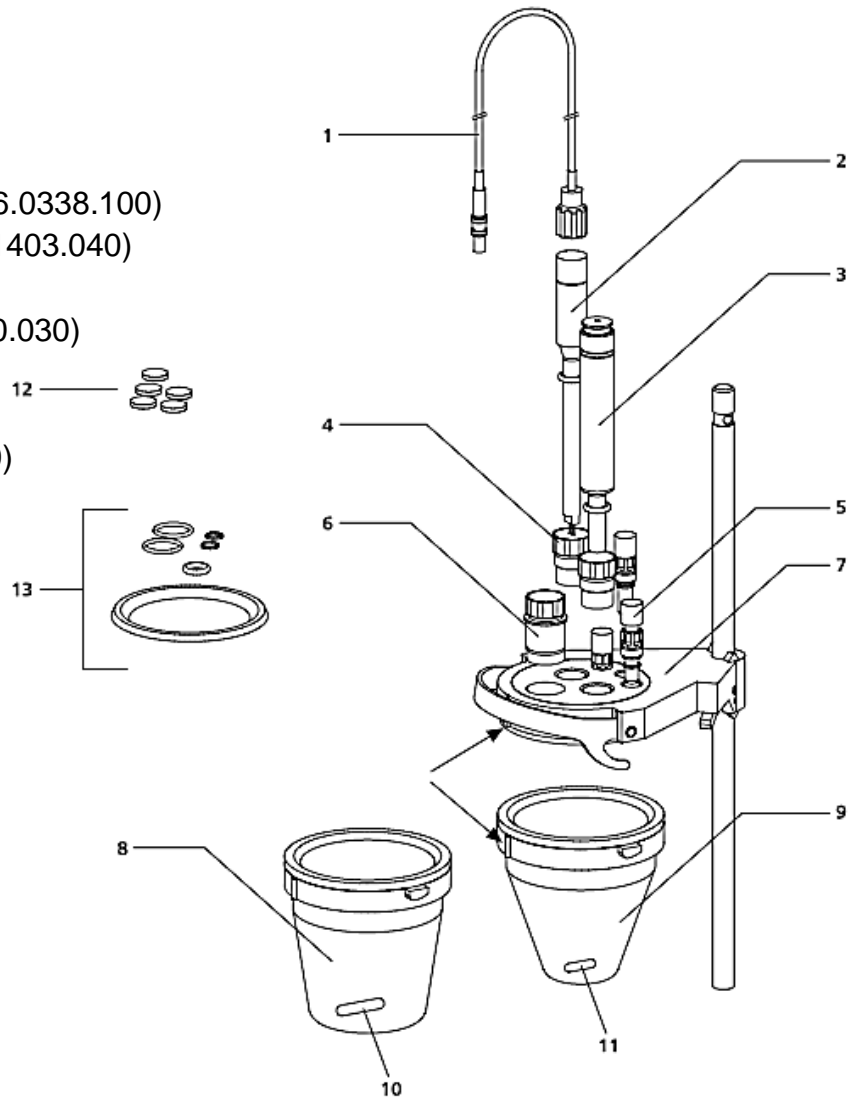


KARL FISCHER QUICK REFERENCE

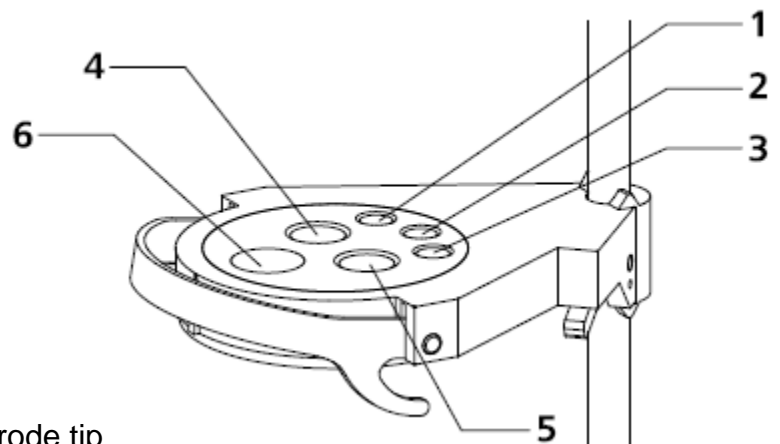
KF Volumetric Cell Parts Guide

1. Electrode cable (6.2104.120)
2. Double Pt-wire electrode w/O-ring (6.0338.100)
3. KF drying tube w/ lid and O-ring (6.1403.040)
4. Screw nipple (6.2730.010)
5. Stopper w/nipple and O-ring (6.2730.030)
6. Septum stopper (6.2730.020)
7. KF titration vessel lid (6.1414.030)
8. Titration vessel, 150mL (6.1415.250)
9. Titration vessel, 90mL (6.1415.220)
10. Stirring bar, 25mm (6.1903.030)
11. Stirring bar, 16mm (6.1903.020)
12. Septum (6.1448.010)
13. Set of seals (6.1244.040)



KF Volumetric Cell Lid Recommend Position of Equipment

1. Dosing tip for solvent
2. Buret tip for KF reagent
3. Position for aspiration tip
4. Electrode position
5. Adsorber tube position
6. Septum stopper for sample addition

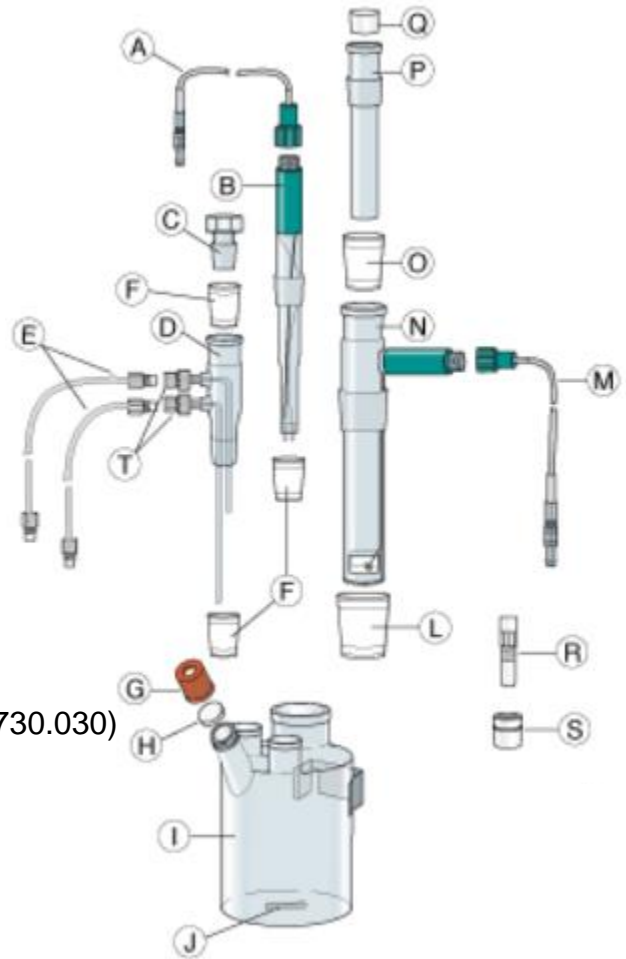


- Place buret tip slightly lower than the electrode tip
- To help avoid over titration in low level samples, it may be helpful to put the electrode tip in the position nearest the electrode

KARL FISCHER QUICK REFERENCE

KF Coulometric Cell Parts Guide

- A. Cable for double pt electrode (6.2104.020)
- B. Double Pt electrode (6.0341.100)
- C. Glass Stopper (6.1437.000)
- D. Addition/Aspiration Tube (6.1439.010)
- E. PTFE Connecting tube (6.1805.200)
- F. PTFE Sleeve (6.2713.000)
- G. Screw Cap (6.2701.040)
- H. Silicone Septa, 5pk (6.1448.020)
- I. Titration Vessel (6.1464.320)
Titration Vessel w/side port (6.1465.320)
- J. PTFE Stir Bar (6.1903.030)
- K. Vessel holder (not pictured) (6.2047.020)
- L. PTFE Sleeve (6.2713.010)
- M. Generator cable (6.2104.120)
- N. Generator electrode w/diaphragm (6.0344.100)
Generator electrode w/o diaphragm (6.0345.100)
- O. PTFE Sleeve (6.2713.020)
- P. Desiccator tube (6.1403.030)
- Q. Cap for desiccator tube
- R. Blank Stopper w/ screw connector for gas inlet tip (6.2730.030)
- S. Polypropylene Stopper for gas inlet tip (6.1446.060)
- T. Screw connector, M8 (6.1811.010)
Molecular sieve, 250g (6.2811.000)



KF Installation Tips and Tricks

- **DO** make sure the Double Pt electrode is always installed so that the titrant flows away from the electrode when the sample is stirring (i.e. on the right if stirring is counterclockwise; on the left if the stirring is clockwise).
- **DON'T** over-pack the adsorber tube with cotton when setting up a KFC cell. This will cause back pressure to build in the cell.
- **DON'T** plug a Dosino into the MSB1 port of a Titrand that utilizes an Exchange Unit dosing system.
- **DO** use the Teflon sleeves but **DON'T** use grease. It can absorb and hold small amounts of water.
- **DO** ensure that smooth, rib-less stir bars are used to avoid banging into the electrode pins or diaphragm mesh
- **DO** prepare burets on volumetric KF titrants if the system has set idle for more than a couple days.

