

INSTALLATION INSTRUCTIONS - RHEODYNE® ADAPTER KIT

FOR RHEODYNE 7000 – 9000 SERIES HPLC INJECTORS

Technical Note 416

The Rheodyne adapter kit (RAK) permits a Rheodyne HPLC injector (Series 7000-9000) to be installed on a Valco two position microelectric actuator.

INSTALLATION

1. Cycle the actuator twice while there is no valve mounted on it. This sets the actuator up to reinitialize when the valve is installed.
2. Slide the RECA on the injector rotor shaft, aligning the RESS set screws with the flats on the shaft. Tighten the set screws with a hex key (allen wrench) of the appropriate size.
3. Assemble the REA to the injector body oriented as indicated in Figure 1, and tighten the HWSC- SC8- 12TDH screws snugly.
4. Put the slotted coupling (SLC) on the square drive of the actuator, if isn't already there. Make sure the clamp screw is loose.
5. Guide the injector assembly into the clamp ring (product number CR12 for microelectric actuator, CR11 for air and standard electric actuators) while aligning the pin in the RECA with the slot in the slotted coupling. When everything is lined up, push the injector assembly firmly into the clamp ring on the actuator, and tighten the clamp screw.

For the first few cycles the actuator will move at half its normal speed while it looks for the valve stops. Once it determines the proper stroke, the actuator will return to normal speed. If you don't hear a change in speed, make sure that the clamp screw is tight.

FIGURE 1: Rheodyne adapter kit assembly

