

# USING VALCO ELECTRIC ACTUATORS WITH SCIEX ANALYST® SOFTWARE

## Technical Note 428

Sciex Analyst LC-MS/MS acquisition software for TripleQuad and QTRAP instruments is fully compatible with VICI Valco two-position micro-electric actuators. Serial and USB versions of the Valco universal electric actuators in two position mode can also be used, but must first be configured to a legacy mode which emulates micro-electric actuator behaviors and responses.

### 1. Micro-electric actuator

Initialize the actuator as described in Tech Note 413a, available in the support section of vici.com.

Universal actuator

For steps A and B, you will need the Universal Actuator Manual supplied with your actuator or available for download in the support section of vici.com. For step C, you will need to download Tech Note 429.

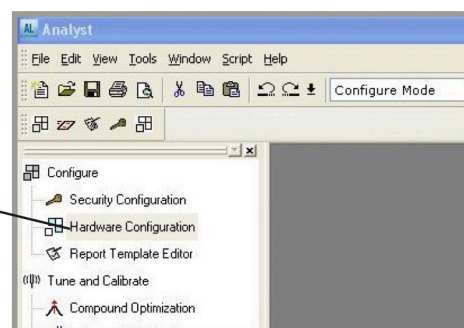
A. Make sure that the actuator is set for Two Position with Stops. Refer to the manual as necessary.

B. Assign an ID to the actuator. Refer to the manual as necessary.

C. Configure the actuator for operation in legacy mode as described in Tech Note 429.

- ### 2. Once the actuator has been prepared and connected to the appropriate port on the computer, open the Analyst software and double-click Hardware Configuration to open the Hardware Configuration window.

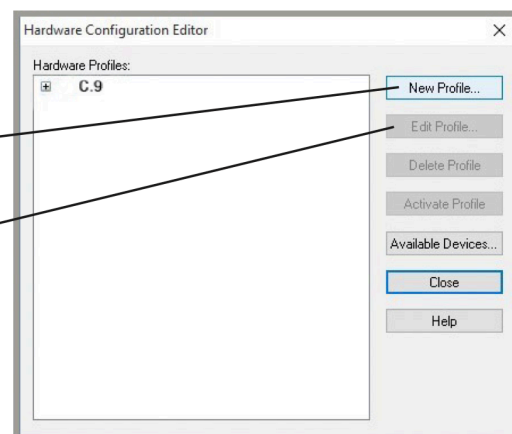
DOUBLE-CLICK  
HARDWARE CONFIGURATION



- ### 3. In the Hardware Configuration window, click New Profile, or modify an existing profile by selecting one from the list and clicking Edit Profile.

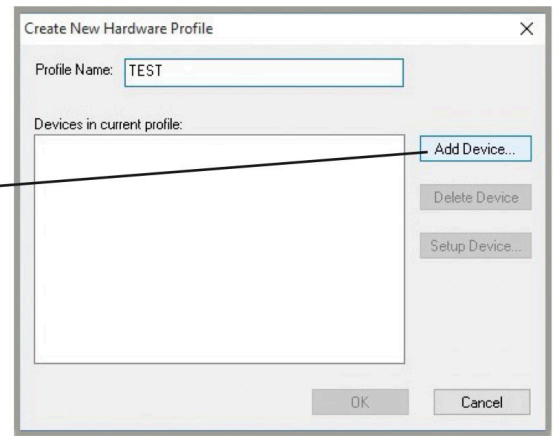
CLICK HERE TO CREATE  
A NEW PROFILE

OR SELECT A PROFILE  
FROM THE LIST AND  
CLICK HERE TO MODIFY IT



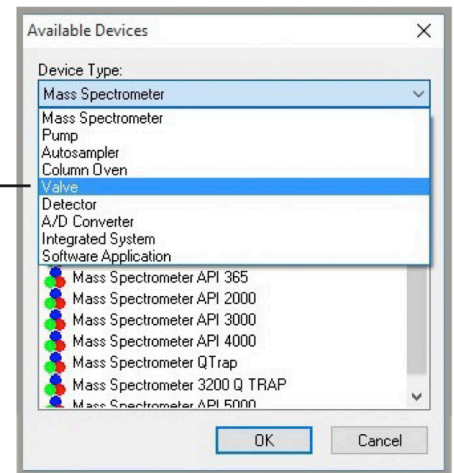
- Click Add Device in the Create New Hardware Profile window.

CLICK HERE TO TO OPEN A LIST OF AVAILABLE DEVICES



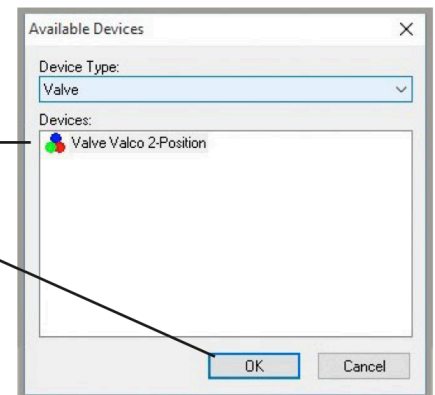
- In the Available Devices window, select Valve from the Device Type pull-down menu.

SELECT VALVE FROM THE PULLDOWN MENU



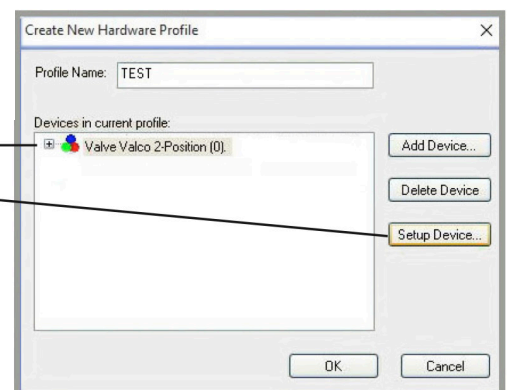
- Select Valve Valco 2-Position from the list of Devices, and click OK to return to the Create New Hardware Profile window (bottom right), which now contains Valve Valco 2-Position.

SELECT VALVE VALCO 2-POSITION, THEN CLICK OK

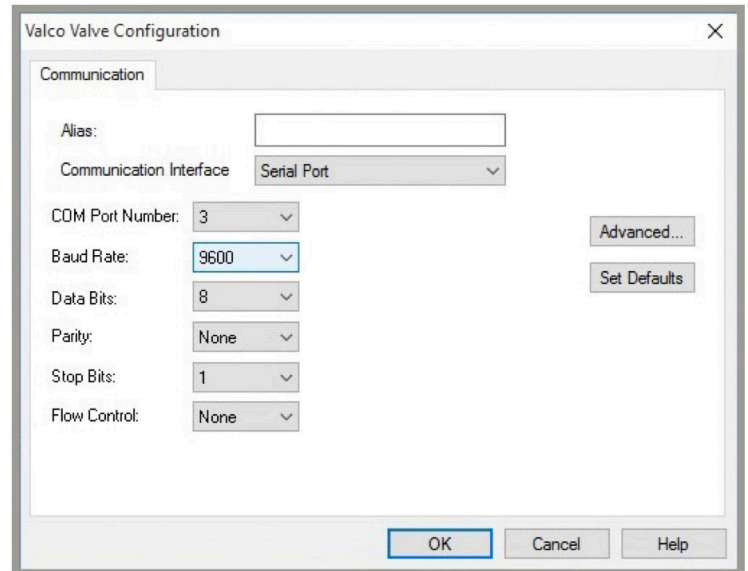


- Select Valco Valve 2-Position from the list of Devices in current profile, then click Setup Device.

SELECT VALVE VALCO 2-POSITION, THEN CLICK SET UP DEVICE



8. In the Configuration window, adjust your settings for COM Port number, Baud Rate, etc. as required and click OK.



9. On the next screen, click Activate Profile and a green check mark will appear next to the profile name, as shown at right.

