

# Gas Sampling Valve Types used in SRI

## GCs May 2019 > **UPDATE 2022-CT**

A variety of different gas sampling valves and electric actuators are used in SRI GCs.

In some cases, the manufacturers ( Valco and AFP ) have changed designs and stopped making the older type actuator but the valve head remains the same.

The Valco Standard is no longer available, but we have some stock of spares including a similar dimension actuator that runs on 24 volts DC.

The Valco EUT actuator is found on SRI GC from 2019 and later.

The AFP MEA ( micro electric actuator ) is also installed on SRI GCs from 2018 and later.

To date there have been 3 versions of the MEA actuator.

### **SRI Needs to Update further >**

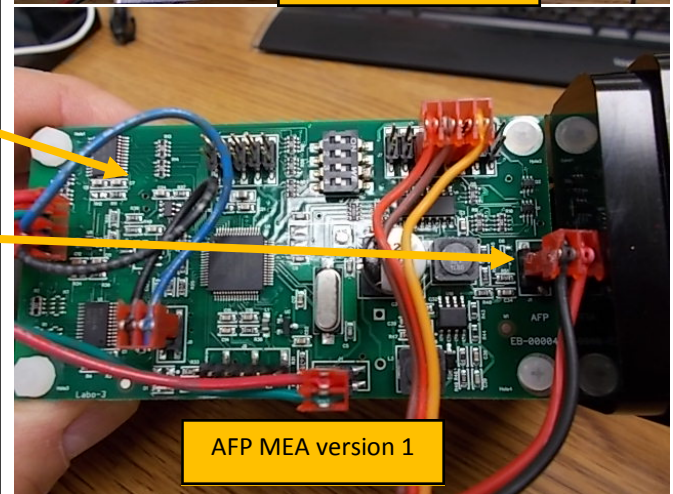
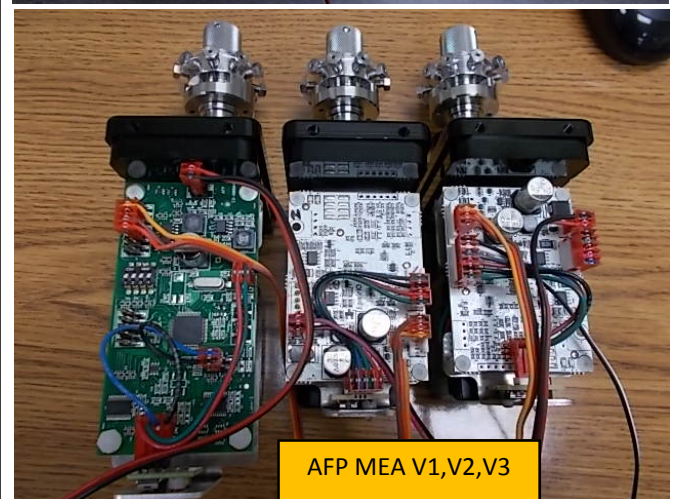
**INFO - > differences between valves > OEMs used @022 whether just due to COVID 19 shortage of "chips" being used / or Improvements made ( rotor material & wear ?)**

This photo shows the AFP version 1 actuator.

The board is green in color and runs on 24volts DC.

The 24volt power connector is here.

**"Modern" OEM Valves re Trace Gas Analysis) require and some OEMs DO offer Helium Purge on valves or Rotors to minimise ingress of ambient AIR for sub ppM>ppB levels !  
ASK > CT !**

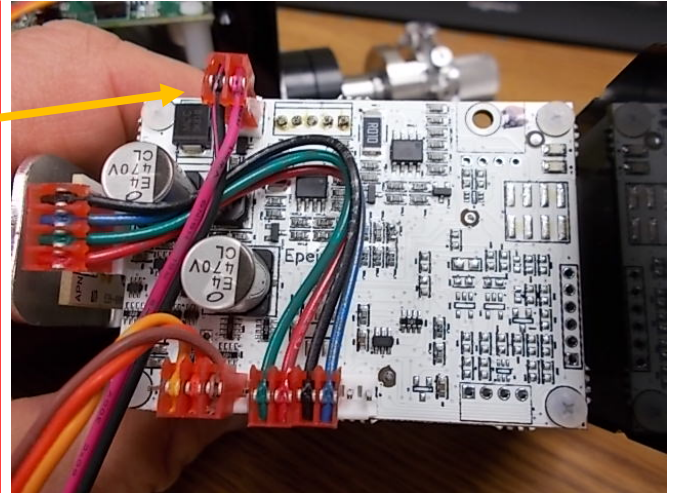


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This is the AFP version 2 MEA.  
The 24volt power connector is here.



This is the AFP version 3 MEA.  
The **15 volt DC** power connector is here.



The AFP version 3 MEA also has a serial number etched in the metal bracket making it easy to identify.



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