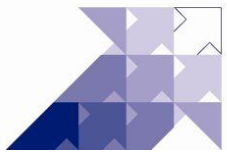# Automatic pressure control (APCS) options for Airflotek Fan Filter Units

-Dual Mode/APCS

-Dual Mode APCS +

-Digital APCS

TES-Clean AIR Systems

Dual Mode/APCS

Option 1

Our most popular Automatic Pressure Control scheme allows for switch selectable manual fan control or APCS fan control with *no computer interface required*. "Dual Mode/APCS" (detailed in slides 4-5)
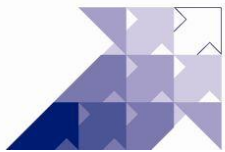

TES-Clean Air Systems

"Dual Mode/APCS" : Manual Fan Control
With the rocker switch set to "manual" the rheostat is rotated to directly control fan speed.

"Dual Mode/APCS": Automatic Pressure Control Mode
With the rocker switch set to "auto control" the rheostat is rotated to select the system pressure set point. To the left= a lower system pressure set point and visa versa.

Dual Mode/APCS

+

Option 2

"Dual Mode/APCS **+**"

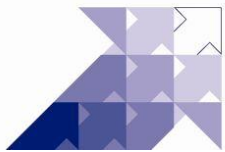Adds a factory installed, end user specified, digital pressure set point.

"Dual Mode/APCS **+**":

The "A" controls group (Blue bubble) has identical functionality to the switch/rheostat described in slides 4-5) Dual Mode /APCS + adds the "B" group rocker switch. The "B" group rocker switch yields functionality as follows.
1)Position 1, labeled: Default to "A" control group. (Blue Bubble) (I.E. in this position the overall system functionality is identical to the standard "Dual Mode/APCS", slides 4-5
2) Position 2, labeled: Factory set point. (Red Bubble) With the switch set to "factory set point" the system defaults to the pre-installed, digital factory pressure set point)

Note: controls location per customer preference
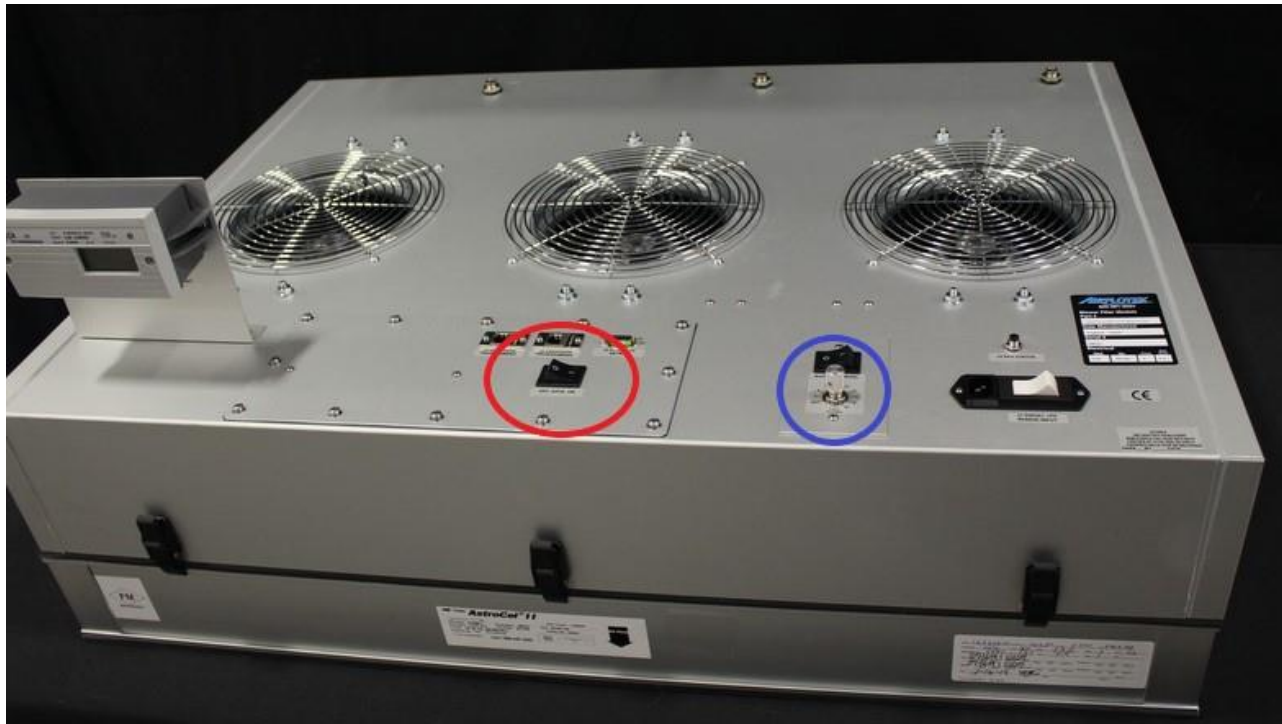

TES-Clean Air Systems

Digital/APCS

Option 3

"Digital APCS"

Digital APCS relies exclusively on an interface between the customers user interface and our proprietary P, I, &D digital APCS control module

"Digital APCS": all settings are selected, and data** is retrieved, via a MODBUS RTU interface. Note: MODBUS ASCII and ETHERNET are available via an external "gateway device". Computer interface is via a RJ45 connector, circled in red below, on the FFU. (location per customer preference) ** data includes measured system pressure, RPM, fan status, among others.
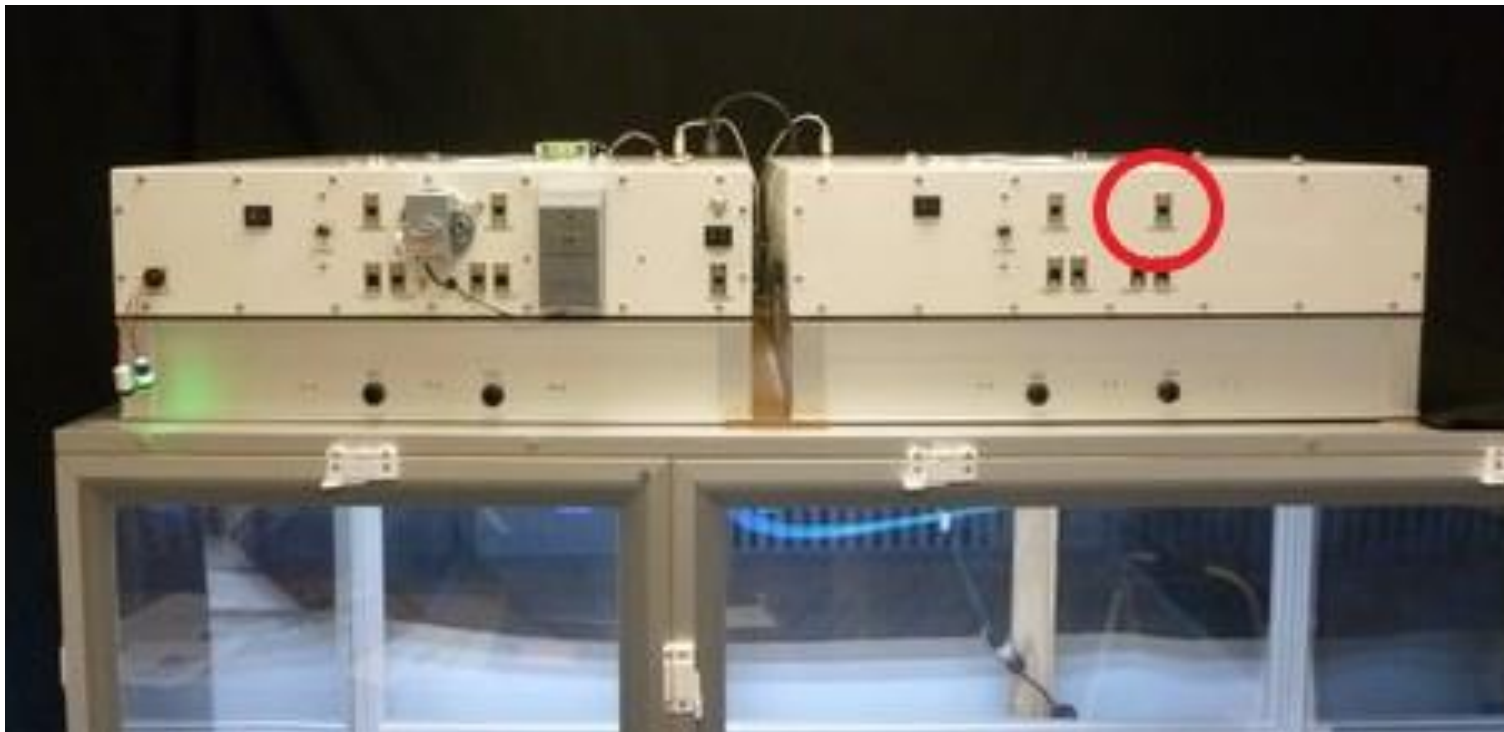
"Digital APCS software"

Some customers write their own software interface, while others prefer to keep it simple by using a "shareware" program called MODSCAN to do the initial set-up of the system parameters.

https://www.win-tech.com/html/modscan32.htm

How can we be of help in addressing your need for Automatic Pressure Control (APCS) of an FFU controlled mini-environment?

I hope you will feel free to call on TES to provide you with a solution for your APCS mini-environment requirement

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