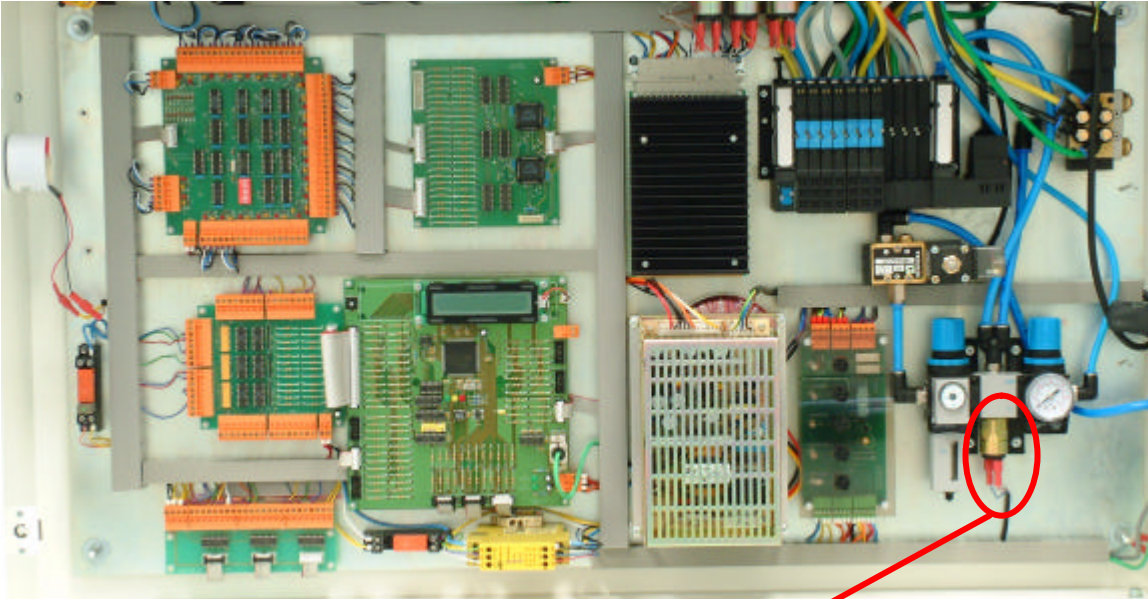


Testing the Air Pressure Switch.

Vale-Tech Dispenser systems use an Air Pressure Switch to determine if there is sufficient pressure to operate the Dispense Valve Actuator, and on High Pressure systems, sufficient pressure for the Supply Containers.

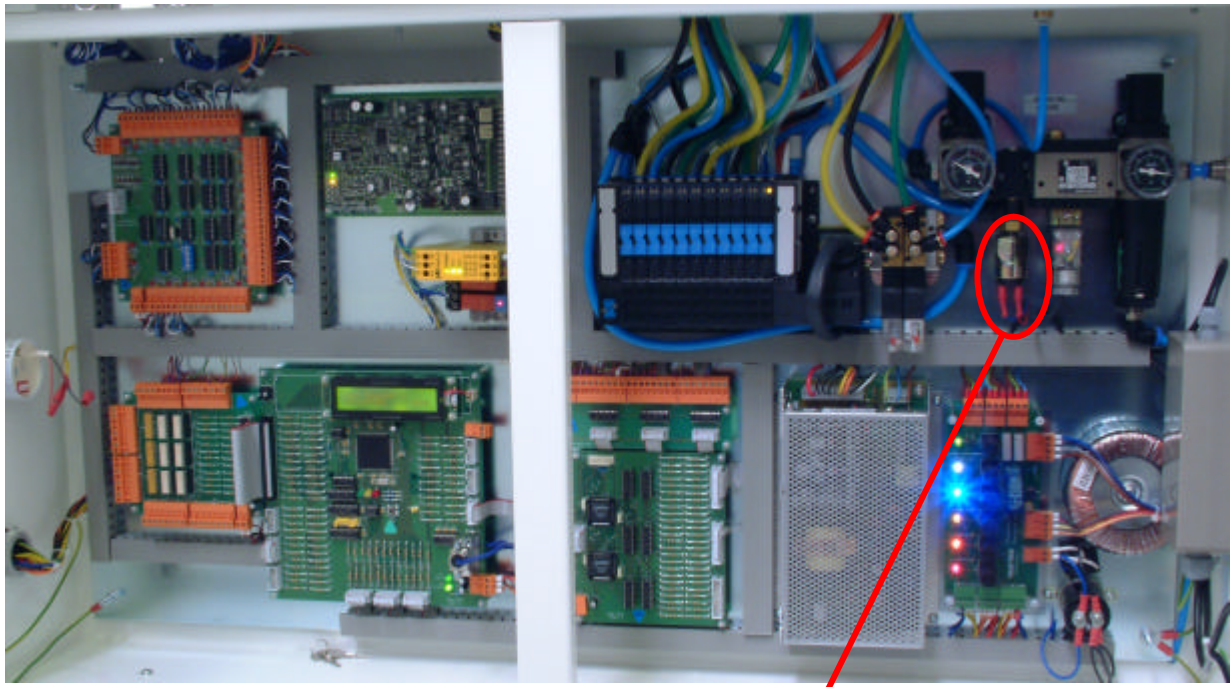
There are basically two types of Air Pressure Switch and three Chassis Layouts that they are used on. Below shows the four examples:

Early Mkii Chassis and Switch:



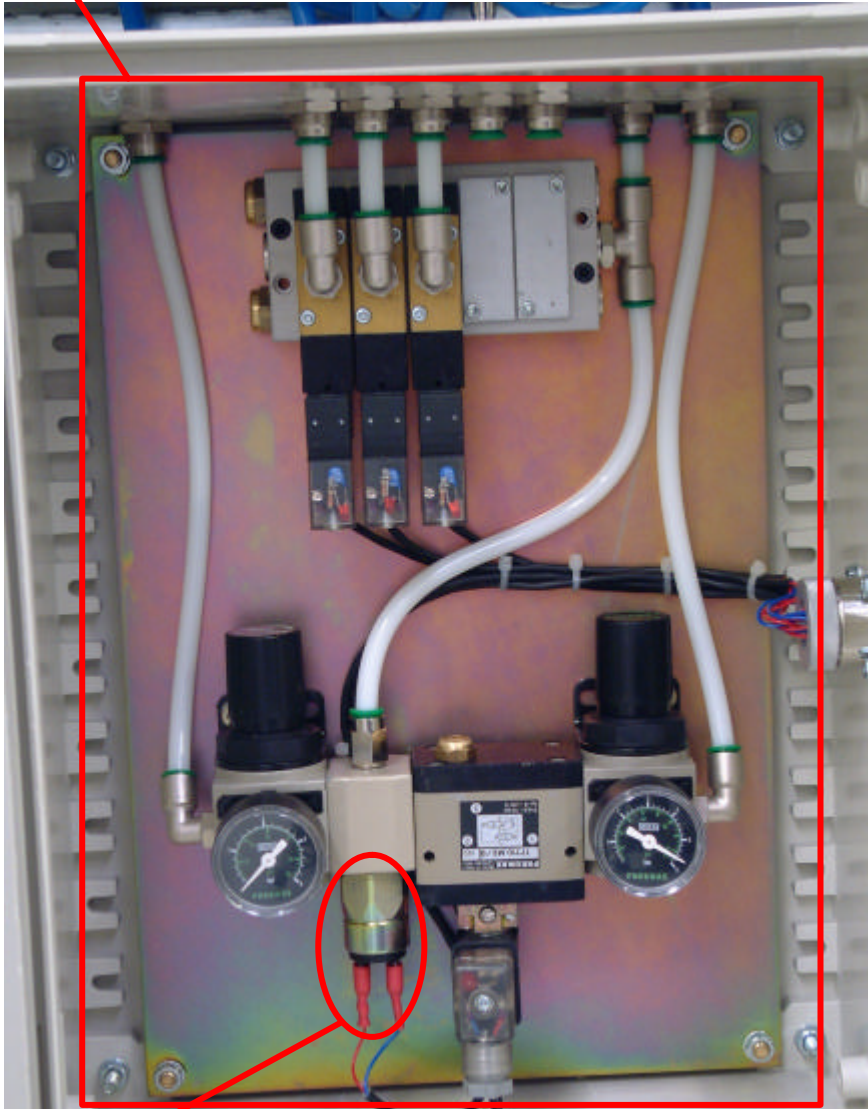
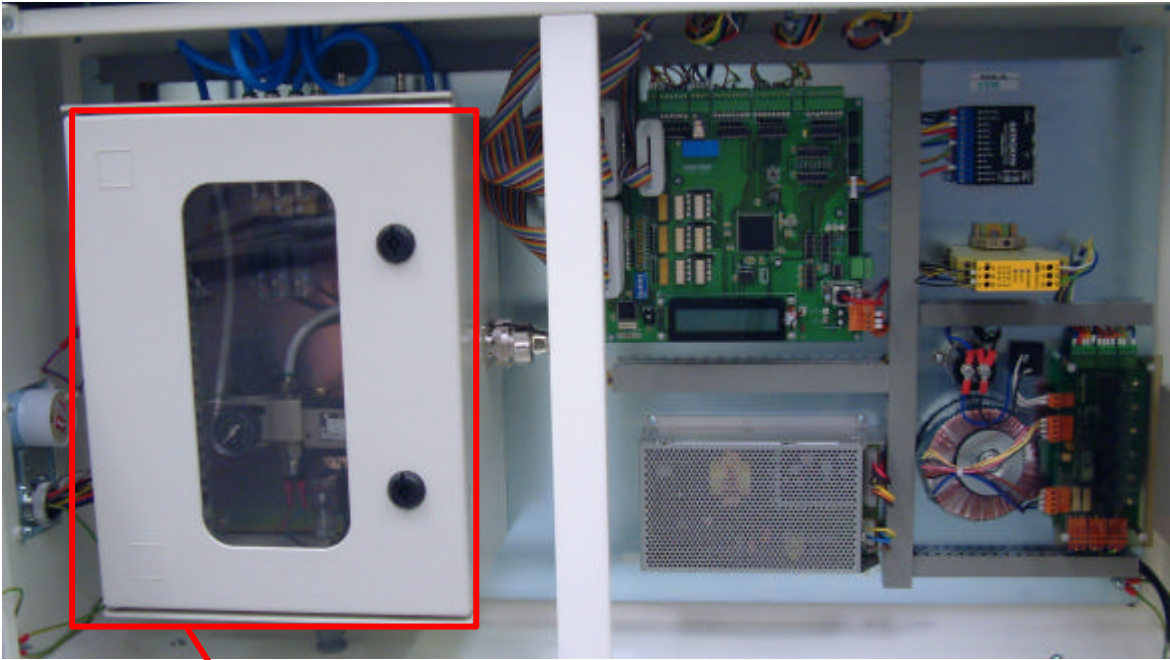
Air Switch

Later Mkii Chassis and Switch:



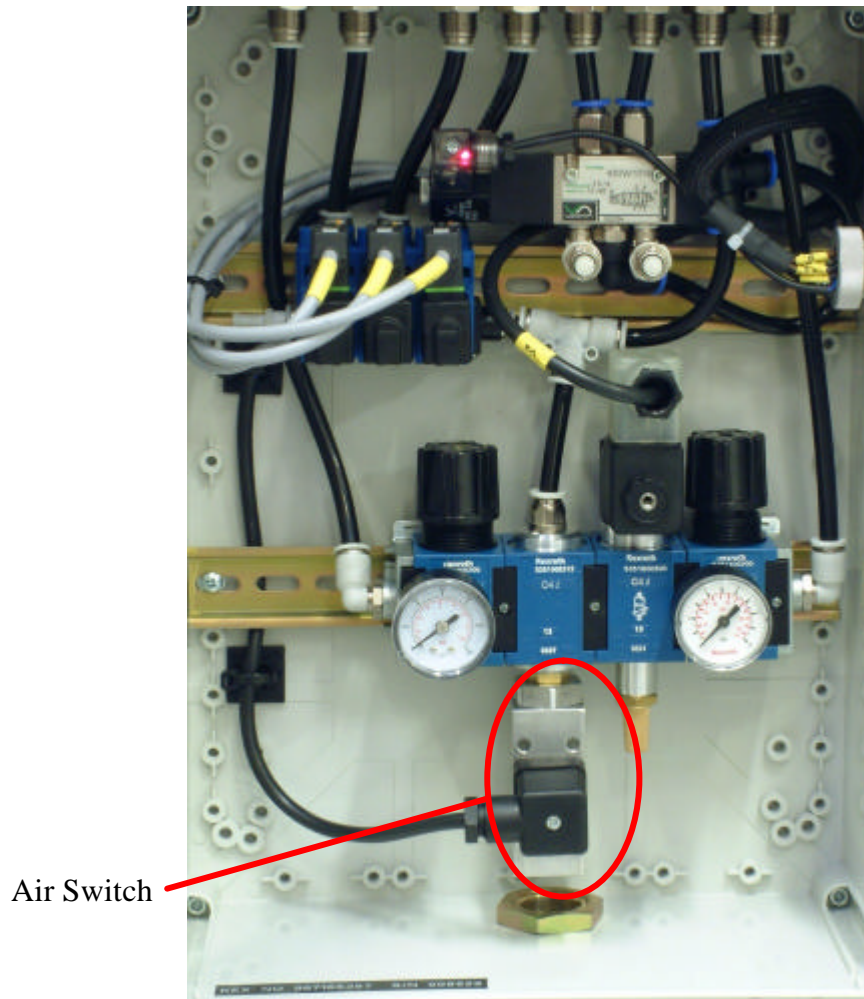
Air Switch

Mkiii Chassis:



Air Switch

New Air Switch on Mkiii Chassis:



Mkiv Chassis (or CAN Controller):



The Air Switch on the Mkiv Chassis system (or CAN Controller) is the New Air Switch as used on the Mkiii Chassis.

The Air Switch is normally open circuit when there is no air on the system, when the air pressure is above approx 3Bar, the switch will go closed circuit. This is easy to simulate by shorting the terminals to the controller at the switch.

The early switches were two spade terminals, just unplug the red spade connectors and short them out with some thick wire or a paper clip.

The later Air Switches have a four terminal connector. The flat terminal is earth, pins 1 and three are the switch and require shorting as shown below:



With the switch shorted, and ensuring the short cannot short-out anything else, start a Dispense, you the message is no longer displayed, the switch is at fault, if the message is still displayed the main controller output may be at fault and further diagnostics are required.