

SSV-4

Automatic Saliva Extraction



The SSV-4 is yet another unique solution from Angel ECU that allows an individual with special needs to automatically suction saliva without assistance from others. The SSV-4 features a servo driven extendable arm, with programmable range, and a spring loaded clamp for holding the mouth piece of a vacuum pump. The SSV-4 connects and operates as a peripheral component to the Angel FX Environmental Control Unit (EADL). Working together with the FX ECU, and a Medical Vacuum Pump, the system allows an individual to extract excess saliva by themselves in an automated fashion.

Mounted on top of a Ball Head tri-pod, the SSV-4 can be positioned easily, and setup within minutes. The servo driven arm automatically extends on user command bringing the mouth piece of the vacuum pump up to the users lips for saliva extraction. The vacuum pump is automatically turned on for a pre-determined time period, then the arm retracts away from the user. The sequence of events completes with the pump shutting off automatically.

Operating on 12 volts DC, power and serial data is fed to the SSV-4 from the FX ECU over a single cable. Upon any power failure the extended range is reduced to a minimum, as a safety feature, to prevent any accidental contact with the user. Programming the range is a simple procedure that allows setup in a short time frame.

The SSV-4 is a truly innovative solution available only from Angel ECU.



Specifications:

Length	25"	Extendable Range	13.25"
Height	3.125"	Communication Protocol	RS-422
Width	4"	Time to full extention.....	6.1 sec
Weight	4 lbs.	Construction.....	Anodized Aluminum
Power	12 VDC	Compatible ECU	Angel FX ECU
Power Consumption....	5.04 watts		