



## A HEALTHY ENVIRONMENT | Fume Extraction



Organizations globally are keen to provide a healthy working environment for their employees and as a result take health and safety within the workplace seriously. They are keen to address and reduce illness such as occupational asthma and other respiratory disorders which are common among operators and technicians who are in regular contact with materials such as solder, glues and solvents.

How can organizations protect their employees? The first line of defence for any operator in direct contact with fumes is to remove these at source through some form of fume extraction. There are a variety of types and models available but what should technicians and operators be looking for? The answer is simple! An extraction system that gets the job done efficiently, simply and doesn't break the bank. Of equal importance is size and noise level. The EDSYN FFX11 bench top fume extraction system delivers on all these points.

Key to the effectiveness of the FFX11 is its rotating two stage filter system which draws fumes, smoke and dust particles away from the operator. The front filter rotates holding the fumes longer and the second filter which is charcoal impregnated provides eight times greater filtration than a stationary filter. This proprietary rotating filter system is what sets the FFX11 apart from other fume extraction systems.

The filters are quick and easy to change and the internal safety grills protects the user from the rotating blades. This provides a reduction in down time which is imperative in maintaining production deadlines while at the same time considering the health and safety of the operator.

Another unique feature of the FFX11 is in its compact design. The small footprint frees up space on the workbench. Considering this extraction fan is so powerful, it is also incredibly quiet. A dual adjustable arm enables the operator to angle the head of the fan in a variety of positions for maximum filtration. Operators are often seen with their head bent over the application they are working on breathing in the fumes of the solder in the process. The adjustable head means the operator can fully focus the fan to ensure the fumes are directed away from them.

The FFX11 benefits from the addition of energy efficient task lighting providing extra illumination when working on small applications that require focus and concentration. The high intensity white LED light reduces glare and minimises eye strain; again ensuring the well-being of the operator.

Some may argue that with the use of lead free solder the need for fume extraction may not be as important. It should be noted that while lead free solder is arguably better for the environment, it does present its own challenges for the operator. For lead free wire to flow in the same way as leaded, extra flux is often used. The increased temperature needed for lead-free with the increased flux creates more smoke and fumes. The FFX11 is the perfect solution as it is designed to remove these fumes directly from the operator.

EDSYN takes safety and the environment seriously and this is reflected in the design and detail of all its products including fume extraction. From small bench top units to heavy duty systems, all the solutions EDSYN delivers are manufactured to the highest quality control standards.