

Clean air is a worker's right.

Breathe easy in a healthier
benchtop environment.



ZeroSmog Shield Pro
FUME EXTRACTION

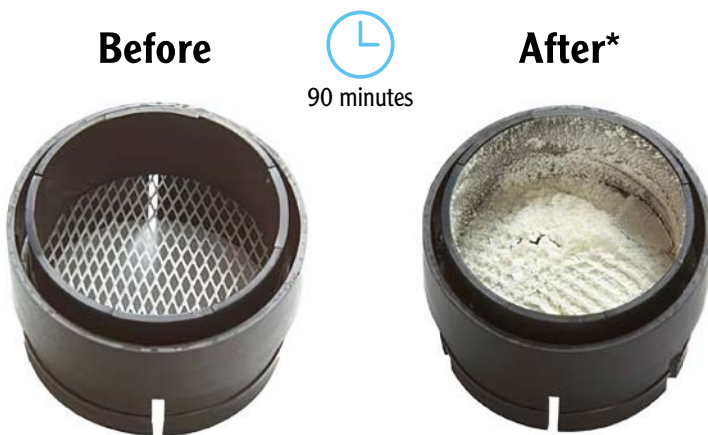


Welcome to a new era in electronics manufacturing, where clean air is a necessity.

It's the driving force behind increased productivity, healthier workers, and a better bottom line. The state-of-the-art ZeroSmog Shield Pro solder fume filtration system is designed to revolutionize your individual workstation.

Breathe clean air at your workbench while you work on your next soldering task with the Weller ZeroSmog Shield Pro, a true filtration unit that keeps your work environment clean and fresh. Its compact design, which can be stacked with soldering stations, helps maximize your workspace. With the ZeroSmog Shield Pro, you can breathe easy and focus on your soldering.

A test filter shows the effects of lead-free soldering



*Lead free soldering produces up to 250% more particles in the breathing zone than leaded soldering. A clean filter before use and with pollutants after 90 minutes of soldering with lead-free solder wire (3% flux content) shows how effective efficient fume extraction can be and how important fume extraction during soldering is.

ZeroSmog Shield Pro – all benefits at a glance



User comfort

- Simple to use – low maintenance and easy filter change
- Small footprint, stackable and easy to move around
- Connectivity to Weller soldering stations
- Working light
- ESD safe



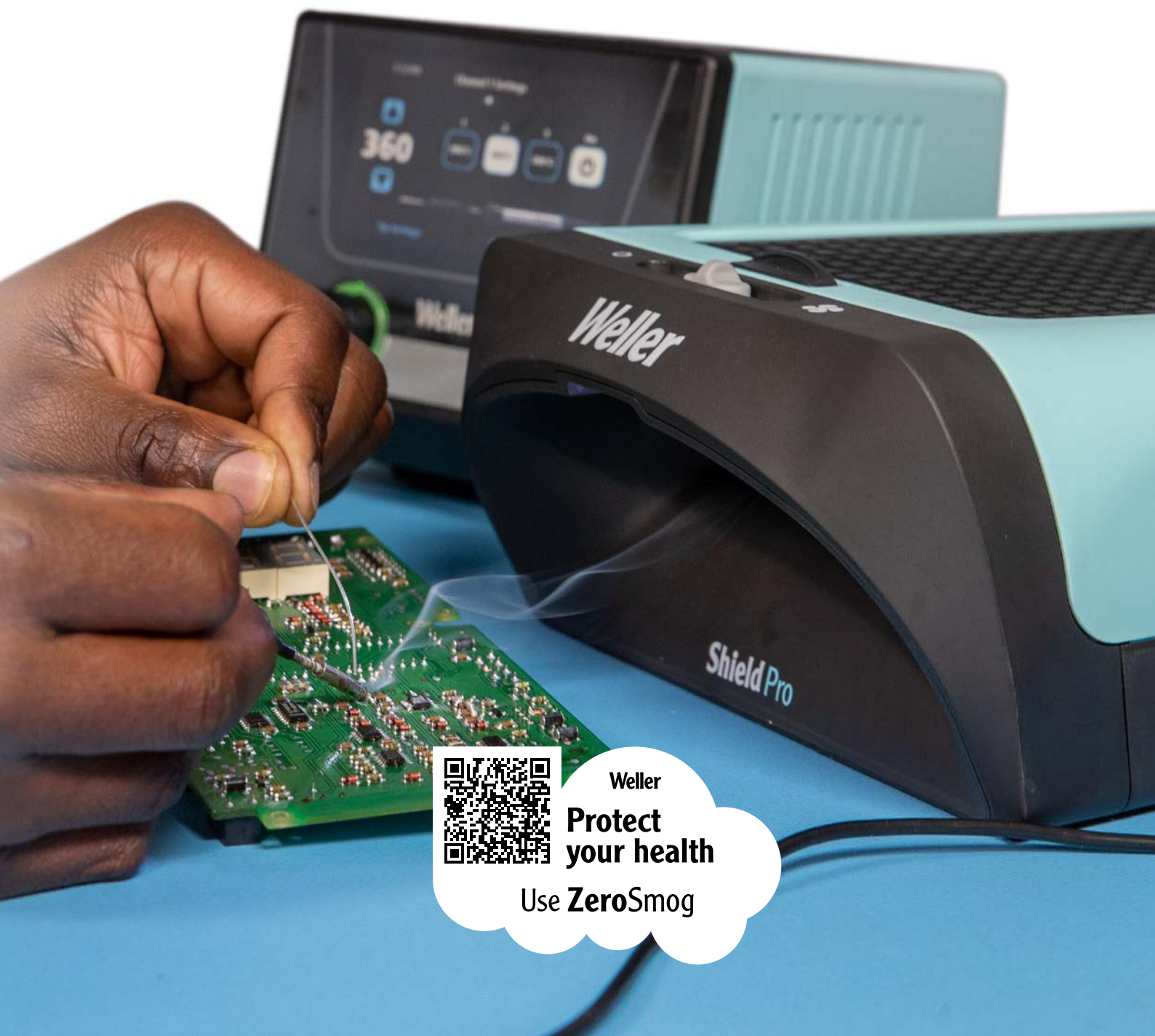
Health protection

- Effective filtration – for cleaner and healthier air
- Powerful blower
- High flow rate
- High efficiency particle and gas filtration
- Odour removal during soldering



Quiet operation

- Robust, but quiet blower
- Aerodynamic flow optimization harnessing planar flow
- Exhaust path silencing



Weller
**Protect
your health**
Use **ZeroSmog**

Why ZeroSmog Shield Pro?

Inhale the essence of clean air.

The ZeroSmog Shield Pro ensures impeccable air quality by capturing solder particles and gases. Our filters are made up of EPA E10 (for particulates) and activated carbon (for gases).

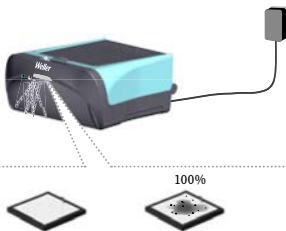


Count on smart design

The compact design is a space-saving marvel. It is slim and stackable. This not only saves valuable bench space, but also adds a touch of modern sophistication to your work area.

Stop & Go

Connect the ZeroSmog Shield Pro to high-end Weller soldering stations to automatically start and stop filtration when using the soldering iron



Filter condition monitoring

The device's continuous filter status checks provide peace of mind knowing that the filter is doing its job.

ZeroSmog Shield Pro is suitable for:

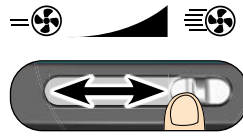
R&D, rework, training, laboratories, etc. It is designed for intermittent use. Filter needs to be changed after a use of approx. 300g solder wire (3.5% flux). For production line, we recommend our larger ZeroSmog filtration units.





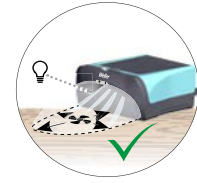
Seamless convenience for you

A quick and easy filter change enhances the user experience.



Powerful blower

With adjustable extraction power



Work zone identification

The best extraction area for efficient filtration is clearly indicated by a bright work light



TECHNICAL DATA ZEROSMOG SHIELD PRO

Dimensions L x W x H
269.5 x 212 x 110 mm / 10.6 x 8.3 x 4.3 inch

Mains supply voltage
100-240V AC / 50/60 Hz

Operating voltage
24V DC

Power consumption
20 W

Weight
2 kg

Safety class
III

Combined filter
E10 EPA / Activated carbon

Maximum vacuum
490 Pa

Maximum airflow
32 m³/h

Interface
RS232

Operating sound level from 1 m distance
50 dBA (59 dBA at full speed)

Subject to technical alterations and amendments.



**Antistatic housing
(ESD safe)**

SCOPE OF SUPPLY (Order number FT91019299)

ZeroSmog Shield Pro unit

EPA E10 Filter

Power Supply

Protect your health during hand soldering.

Did you know that

- long and short term exposure to airborne particles and gases can lead to symptoms including dermatitis
- and acne, headaches, eye irritation, sinonasal cancer, sore throats, and lung damage*?
- at least 20 % of employees in the soldering area indicate clinical symptoms of asthma**?
- in many countries legal regulations govern clean air in the work place***?

*HSE Health & Safety Executive in Great Britain

**Results from a study made in USA & Europe

*** E.g. in Sweden and Norway

Good reasons to use Weller ZeroSmog filtration units

- Protect your respiratory system
- Care for health and well-being
- Stay compliant with regulations
- Take responsibility for the environment
- Reduce absence times and healthcare costs
- Increase productivity

Comparison:

Influence of smog inhalation

Fibers, pollen 10 μm

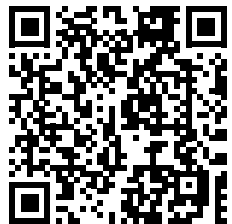
Bacteria, pigments 5 μm

Smog:

Asbestos dust > 10 μm

Viruses > 5 μm

Gas



Weller

Protect
your health

Use **ZeroSmog**



What health risks can develop?

- Headache
- Eye irritation
- Nosebleed
- Sinonasal cancer
- Dermatitis and acne
- Sore throat
- Respiratory damage
- Occupational asthma

#PowerfulTogether

ZeroSmog Shield Pro and Weller Soldering Stations



WXsmart

As the most connected, controlled and secured hand-soldering solution in the world, WXsmart is connecting the future of soldering!



WX Family

WX stations are intuitive and easy-to-operate soldering and desoldering stations for maximum process reliability.



WT Family

The compact and user-friendly WT soldering stations offer high flexibility for versatile applications.



Other stations

Almost any soldering station, no matter which brand, can be stacked. No interface to ZeroSmog Shield Pro.



ZeroSmog Shield Pro

The modular and clean base on your workbench.

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