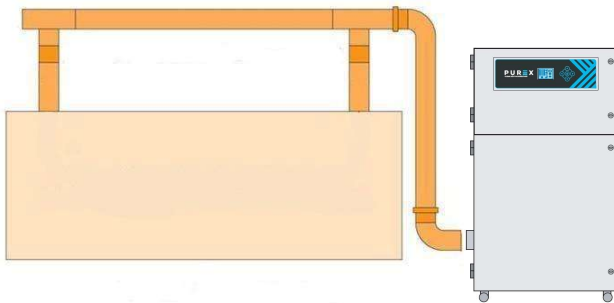


### Cut Energy Costs with Smart Air Filtration

Stop sending your money out the roof. Traditional exhaust systems for wave soldering, reflow ovens, and conformal coating equipment waste valuable heated or cooled air—and with today's energy prices, that's a costly habit. Our advanced filtration units solve this problem by capturing and cleaning process exhaust, then recirculating the purified air back into your facility.

The result? Lower energy bills, a more comfortable workspace, and no need for expensive rooftop ductwork. Proven in the electronics industry for years, our filtration solutions turn a constant expense into a long-term advantage.



**Reflow Oven – Curing Oven – Wave Solder**

#### Benefits are:

- Fast and easy Installation
- No need for roof ventilation
- Easy to relocate
- Reduced duct maintenance
- Reduced energy costs
- Often circumvents local legislation
- No holes required in building

#### Reduce Your Heating Costs!

Venting 1000 cfm to the outside will cost you annually:

\$ 3006 In Rochester  
\$ 2915 In Detroit  
\$ 2729 In Boston  
\$1926 In Minneapolis  
\$1487 In Chicago  
\$1368 In Cleveland

\*No account for heat savings from oven or wave

(2025 BSE study is available upon request)

Our advanced Fume Extractors deliver robust suction and optimized venting directly at the source, driving three major performance gains:

1. **Minimized Flux Buildup in Ductwork.** Strong airflow captures vapors before they settle—preventing sticky residue in ducting. That means fewer clogs, reduced system cleaning, and extended equipment life.
2. **Lower Flux Concentration in Reflow & Cooling Zones** by extracting flux-laden air during critical thermal phases, our units avoid vapor condensation on sensitive boards and cooling surfaces protecting product integrity and thermal consistency
3. **No More Flux Drips on Exit Boards.** Our extraction captures flux condensates before they drip onto boards, eliminating unsightly marks, post-process cleaning, and scrap due to surface contamination.

**Why This Matters for Your SMT Line?**

**Quality & Yield Boost:** Eliminate contamination that causes voids, solder balling, and joint failures.

**Downtime Reduction:** Slashes maintenance needs, less opening ovens for manual cleaning.

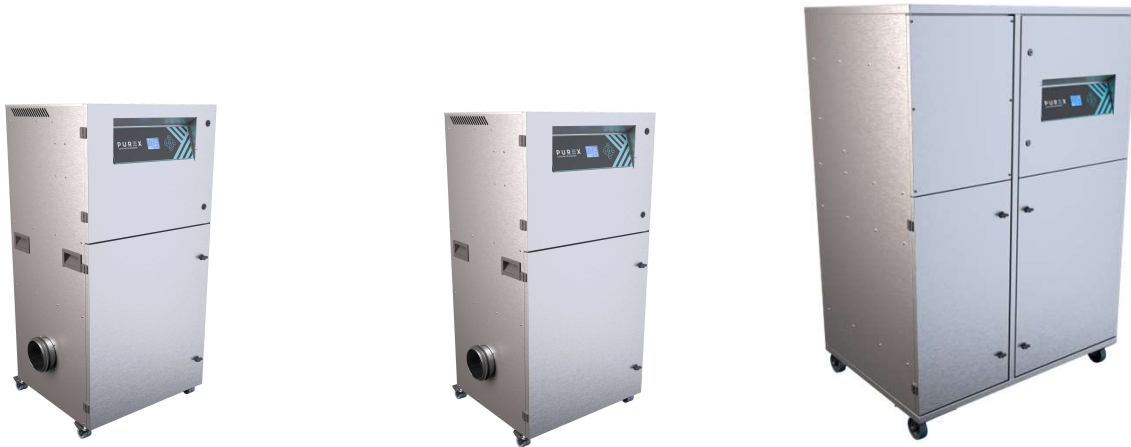
**Cost Efficiency:** Greater consistency, less rework and fewer defective boards means significant savings.

**Compliance:** Meet best practices air flow and flux vapor management per device requirements. Support health and safety standards, protecting your employees, and your reputation.

**Plus and Enterprise collection : 1500i, 2000i and 5000i**

These 9000 Series Purex Volume Control products have the following attributes benefitting your processes:

Speed Control adjusts the volume to the process needs, Automatic Flow Control to ensure that the Air Flow stays the same throughout the life of the unit's filters, Visual Display shows set Air Flow, Temp and Filters Conditions, so auditors know your metrics are always the same. Return Air Quality Monitoring for the piece of mind of your employees, Fully Welded Stainless-Steel Chassis built for Industry, Casters for Mobility, 3 Stage Reverse Air Flow Filtration. Remote interface Capability to remotely Start or monitor for Alarms, Quiet Operation <60 dB, Variety of Filter Options, And more...



Process air needs to be tempered with ambient air to get air below 50C for Carbon filtration

Applications:	Model	Hot Process CFM Requirement	Purex Max Airflow (In Free Air)	Power Requirement
Curing and Reflow Ovens Wave Solder	9000 Ser 1500i	<400 CFM	880CFM /1500 M3H	220 1P 15 Amp
	9000 Ser 2000i	<600 CFM	1175 CFM/2000 M3H	220 3P 16 Amp
	9000 Ser 5000i	<1200 CFM	2940 CFM / 5000 M3H	220 3P 32 Amp