

xFUME® GUARDIAN

Industrial-Grade Hi-Vac Fume Extractor

The xFUME® GUARDIAN delivers powerful, high-vacuum fume extraction for welding and robotic applications. With a 6.2HP brushless blower, a large MERV 16 filter, and automatic self-cleaning, it ensures cleaner air and minimal downtime. Ideal for heavy fabrication, shipbuilding, and mobile welding.



Spec Highlights

Input Voltage

460V 3-phase
60hz at 13.4A

Filter Media

108ft²

Airflow

254 CFM

Dimensions

H. 49in W. 30in D. 35in

Weight

350lbs

Dust Tray

5 Gallon

Motor

6.2HP (VFD Controlled)

XFUME® Technology



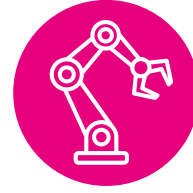
Boosted Productivity

- **VFD controlled 6.2HP** brushless side channel blower
- **MERV16 filter** with 108 sq ft media air filtration, removes 95%+ of fumes
- **Durable composite wheels** resist cracking, and deliver smooth, reliable mobility on rough surfaces



Simplified Maintenance

- **5-gallon dust bin** with easy access for fast, clean bag replacement
- **Filter Cleaning Gauge**- For quick and easy filter capacity checks
- **Automatic air pulse** self-cleaning extends filter and system life



Dual-Use Capability

- **Dual ports** for up to two attachments and flexibility in applications
- **6.2HP motor** for demanding robotic and automated welding



5 Gallon Dust Bin

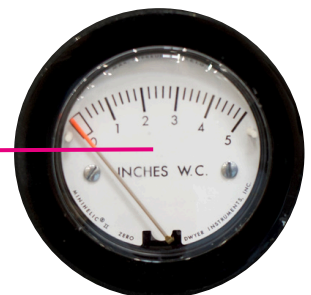
Variable Airflow Control

Cleaning Cycle Indicator Light
(Flashes during cleaning cycle)

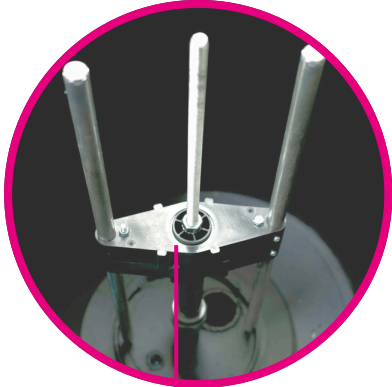
Current Sensing Auto Start



Dirty Filter Gauge



Taking a Look Inside



Automatic air pulse self-cleaning
filter with rotation nozzle
prolongs filter and system lifetime

VFD Motor Controller



The **xFUME® GUARDIAN** starts extracting fumes when welding begins and enters standby mode when welding stops—reducing energy use and minimizing unnecessary motor wear.

Its integrated **Variable Frequency Drive (VFD)** adjusts the motor speed based on demand, which not only lowers electrical costs but also extends the motor's lifespan by avoiding constant full-speed operation.



Pair your system with an xFUME® welding gun for a complete turn-key fume extraction solution



xFUME® PRO



xFUME® FG



xFUME® AUT



xFUME® ABIROB® AF500



xFUME® ROBO

***Compatible with 3rd party/other manufacturers torches. Both Robotic & Manual**

Ordering Information

Description	Product Number
xFUME® Guardian 460V CPL	601.0542.1
xFUME® Guardian 575V CPL	601.0543.1

Replacement Parts	Product Number
Filter Cartridge E11 Guardian	601.0544
Rotation Nozzle Guardian	601.0545