

FVH-SERIES

FUME EXTRACTION SOLUTIONS

Airflow
SYSTEMS INC.

SPECIFICATIONS

Models:	FVH-1: 4.8 HP (3.6 kW), 460V/3Ph/60Hz FVH-2: 9.6 HP (7.2 kW), 460V/3Ph/60Hz
Max Flow:	FVH-1: 400 cfm (340 m ³ /hr) - free airflow FVH-2: 800 cfm (780 m ³ /hr) - free airflow
Max Vacuum:	180" w.g. (44.8 kPa)
Filtration Area:	158 ft ² (14.8 m ²), 99.9% @ .5µm, Merv 15 FR Ultralife Media
Noise Level:	78dB @ 5' (1.52 m)
Weight:	226 - 255 lbs. (103 - 116 kgs)
Dimensions:	L- 38" W- 24.5" H- 30" (L- 965.2 mm W-622.3 mm H-762 mm)

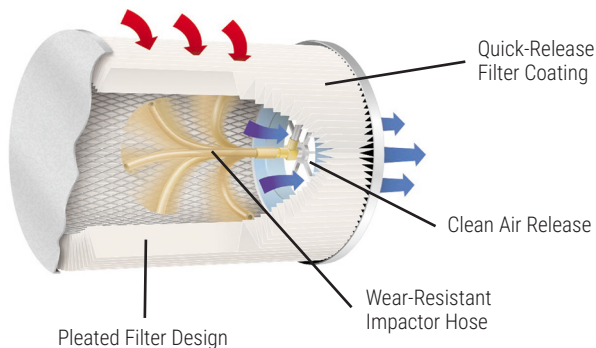


A Portable, Continuous Duty Unit for Weld Fume Extraction Applications

The FVH-1 and FVH-2 provide effective weld fume control—FVH-1 supports one ErgoMax™ MIG gun, while FVH-2 supports two. Built for continuous-duty welding, they outperform typical high-speed brush motor units. Both feature a manual vibration/air filter cleaning system for extended filter life. FVH stands out for its high vacuum power, portability, and remote on-demand control.

Vibra-Pulse® Push-Button Manual Filter Cleaning

The Vibra-Pulse® Filter Cleaning System uses high-pressure air and an internal impactor hose to remove deeply packed dust from filter pleats—cleaning up to four times more effectively than reverse pulse systems.



Features & Benefits

- Extracts fumes up to 120 cfm (195 m³/hr) at the gun
- Versions available for 1 or 2 guns, or automated welding
- Maintenance-free, high-performance brushless motors
- Quiet operation: 78 dB @ 5 ft (1.52 m)
- Thermal/electrical overload protection with indicator
- 3-speed motor control for adjustable vacuum
- Auto/Manual mode for on-demand or continuous use
- Remote start via current sensing switches
- High-efficiency filter: 158 ft² (14.8 m²), 99.9% @ 0.5 µm, MERV 15
- Differential pressure gauge with service indicator
- Vibra-Pulse® push-button manual filter cleaning for extended life
- Hour meter for maintenance tracking
- Wire feeder can be placed on compact, low-profile cabinet
- 2.5" (62.5 mm) inlets: 1 or 2 depending on model
- Quick-lock dust tray for easy removal
- Heavy-duty wheels/casters for mobility
- 25 ft (7.6 m), 460V, 4-conductor power cable included

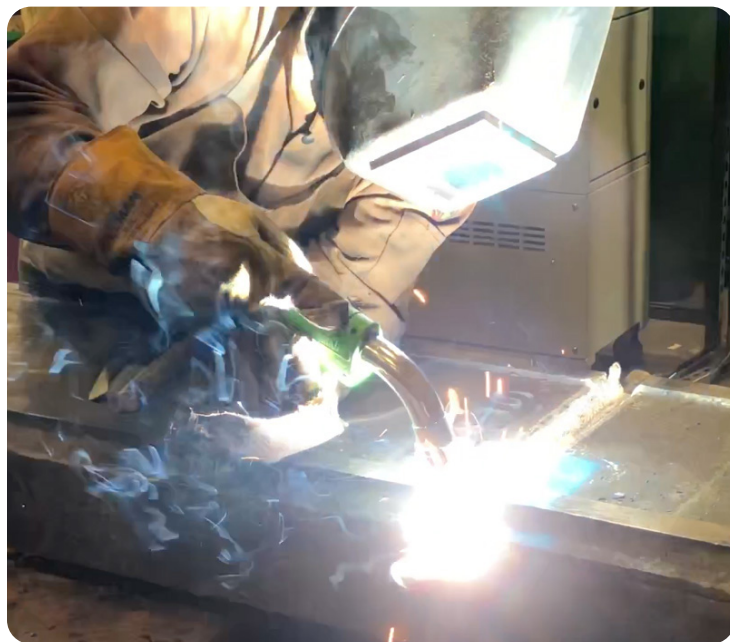
Weld Fume Extraction at the Source

Airflow's high-pressure/high-capacity systems are the most effective way to protect welders from the serious threats caused by Hexavalent Chromium, Manganese and other harmful contaminants present during the welding process.

FVH Extraction Off



FVH Extraction On



Options & Accessories

- 300A, 400A, & 500A ErgoMax™ MIG guns
- 500A flexible and direct-connect automatic welding torches
- Custom robotic extraction kits (contact your local Technical Sales Representative for more information)
- Euro-adaptors for alternate brands of welding equipment
- ErgoMax™ MIG gun consumables and replacement parts
- Protective gun hose covers – 3 ft, 7 ft, 10 ft. (.9 m, 2.1 m, 3.1 m)
- Vacuum hose options
 - Superflex, lightweight PVC w/cuffs or clamps
 - Heavy duty, low-contraction polyurethane w/cuffs or clamp
- Vacuum hose adapters, reducers, and elbows for custom designed installations
- Replacement filter – FA 4615UFRPC - 158 ft² (14.8 m²), 99.9% @ .5µm, Merv 15 FR Ultralife Media
- Floor stand with large dust bin for automated or high fume emission applications
- EZ Reach weld boom
- ErgoBoom weld gun extension system