

## Model 450 Welding Fume Extractor with Dust Plenum



### Model # SS-450-WFEDP

The **Model 450 Portable Welding Fume Extractor with Dust Plenum** provides a simple and highly efficient respiratory engineering control for a variety of welding applications, including MIG welding, TIG welding, maintenance welding, production welding, clean room welding, occasional stick welding, spot welding, brazing, and more. The dust plenum design enables this system to be used for heavy loading applications with an additional easy to change filter.

This system captures most fumes and particulate at the source with a flame-retardant, self-supportive flex arm that allows the operator to easily maneuver and change the placement. This unit's powerful fan draws in fumes and particulate into the filtration chamber preventing them from entering the operator's breathing zone. High quality filtration media specific for welding fume control includes **HEPA filtration** offering up to 99.97% efficiency on particles 0.3 microns and larger, **ASHRAE filtration** with up to 95% efficiency on particles 0.5 microns and larger, and **ULPA filtration** media maintaining up to 99.9995% efficiency on particles 0.12 microns and larger.

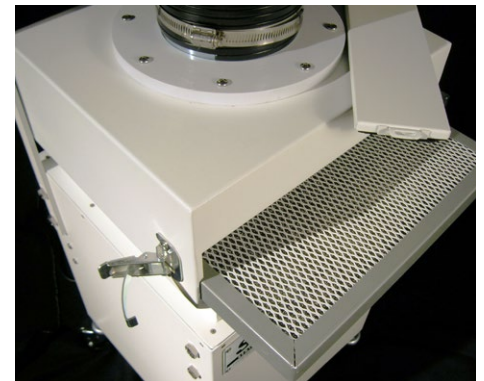
Other benefits include an exceptionally low noise level, small footprint, portability handle, heavy-duty casters for easy maneuverability, quick change pre-filter, and a variable speed controller. With portability features and ductless design, the operator can easily move the system to a different location.

The **Model 450 Portable Welding Fume Extractor with Dust Plenum** has been tested by a third-party industrial hygienist to measure this unit's efficiency according to the Hexavalent Chromium OSHA Standard 29 CFR1910.1026. Results indicated an exposure limit five times lower than OSHA's Hexavalent Chromium regulation during four hours of MIG welding. Results may vary depending on application and appropriate use of equipment.

This unit is also available without the dust plenum [SS-450-WFE] and as a less powerful unit [SS-400-WFE]. For high volume applications, the Industrial Welding Fume Extractor [SS-500-WFE-MP1] includes a set of cleanable filters and a 10' heavy-duty extractor arm.



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Dust plenum easy-access filter (above) and filter chamber (below) on [SS-300-WFEDP]



### Product Features

- **Included:** Variable Speed Controller (115V only), ON/OFF toggle switch (220V only), portability handle, quick change pre-filter, and dust plenum with quick change filter.
- **Optional:** Magnehelic Gauge
- Quiet, reliable, low maintenance operation
- Simple, quick "no tool" filter change
- Low power consumption



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# Fume & Particulate Removal

## Product Specifications



Dimensions are approximate



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Base Unit Dimensions	<b>Length:</b> 22.5" (includes control box) <b>Width:</b> 20" <b>Height:</b> 25.3" (includes plenum)
Arm Dimensions	6" diameter, 52" L fire-retardant flex arm 10.5" diameter capture hood
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	62 - 112 lbs
Air Volume (approximately)	<b>High:</b> up to 950 CFM <b>Low:</b> down to 50 CFM
Electrical	115/1/60, 10.7 amps 220/1/50, 5.35 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (High at 3' from inlet)	Approx. 72 dba
Main Filter Options	<i>Depending on the Application:</i> <b>HEPA</b> [up to 99.97% efficiency on particles 0.3 microns and larger] <b>ASHRAE</b> [up to 95% efficiency on particles 0.5 microns and larger] <b>ULPA</b> [up to 99.9995% efficiency on particles 0.12 microns and larger]
Warranty	Limited two-year warranty from date of shipment on defects due to materials or workmanship. Limited six-month warranty for fan/motor.
US Patent	#5,843,197 Pending