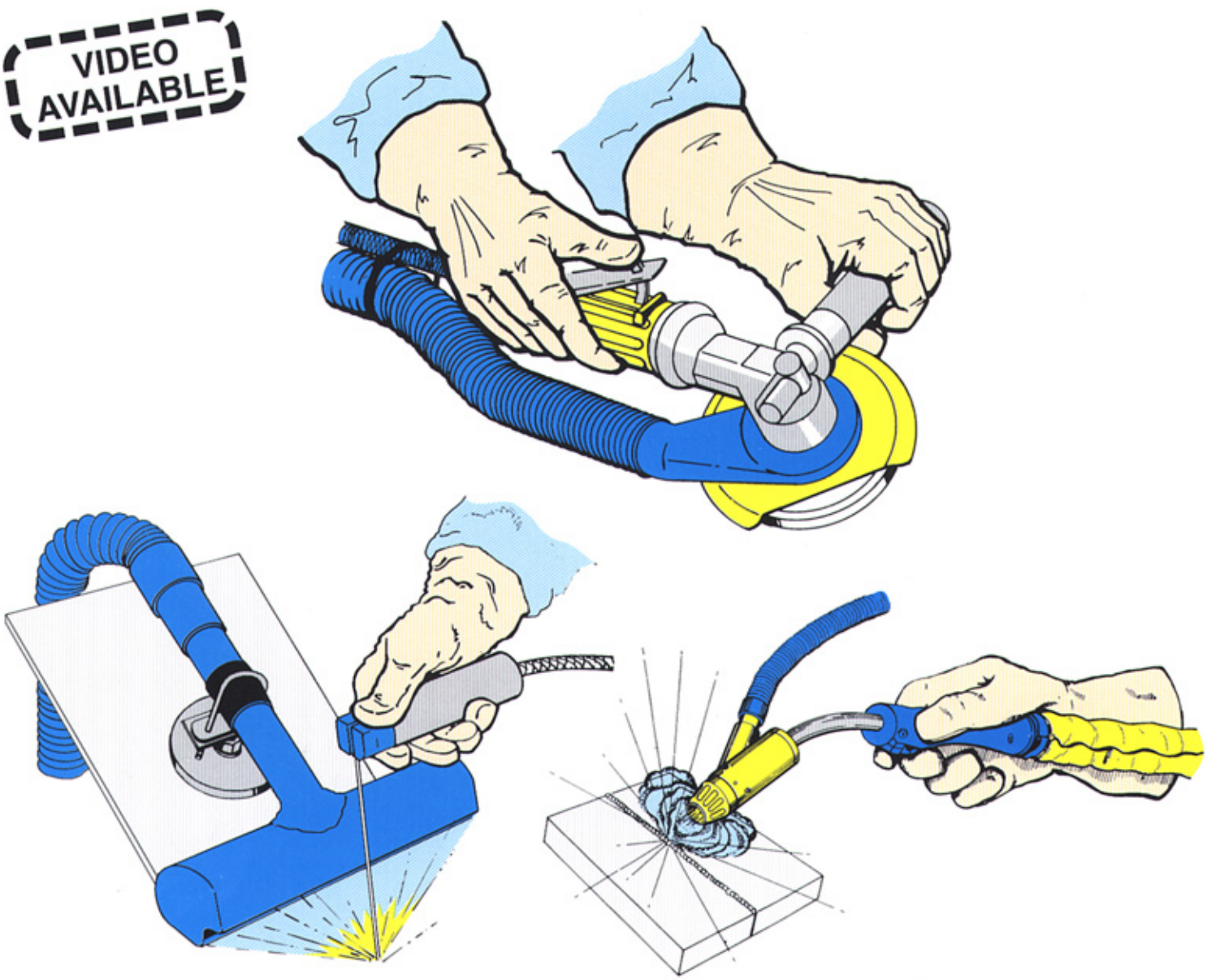
HIGH VACUUM AIR CLEANERS

FOR
SOURCE CAPTURE OF WELDING SMOKE AND GRINDING DUST

DUST-PAK®

V-SERIES UP TO 10 HP

VIDEO AVAILABLE



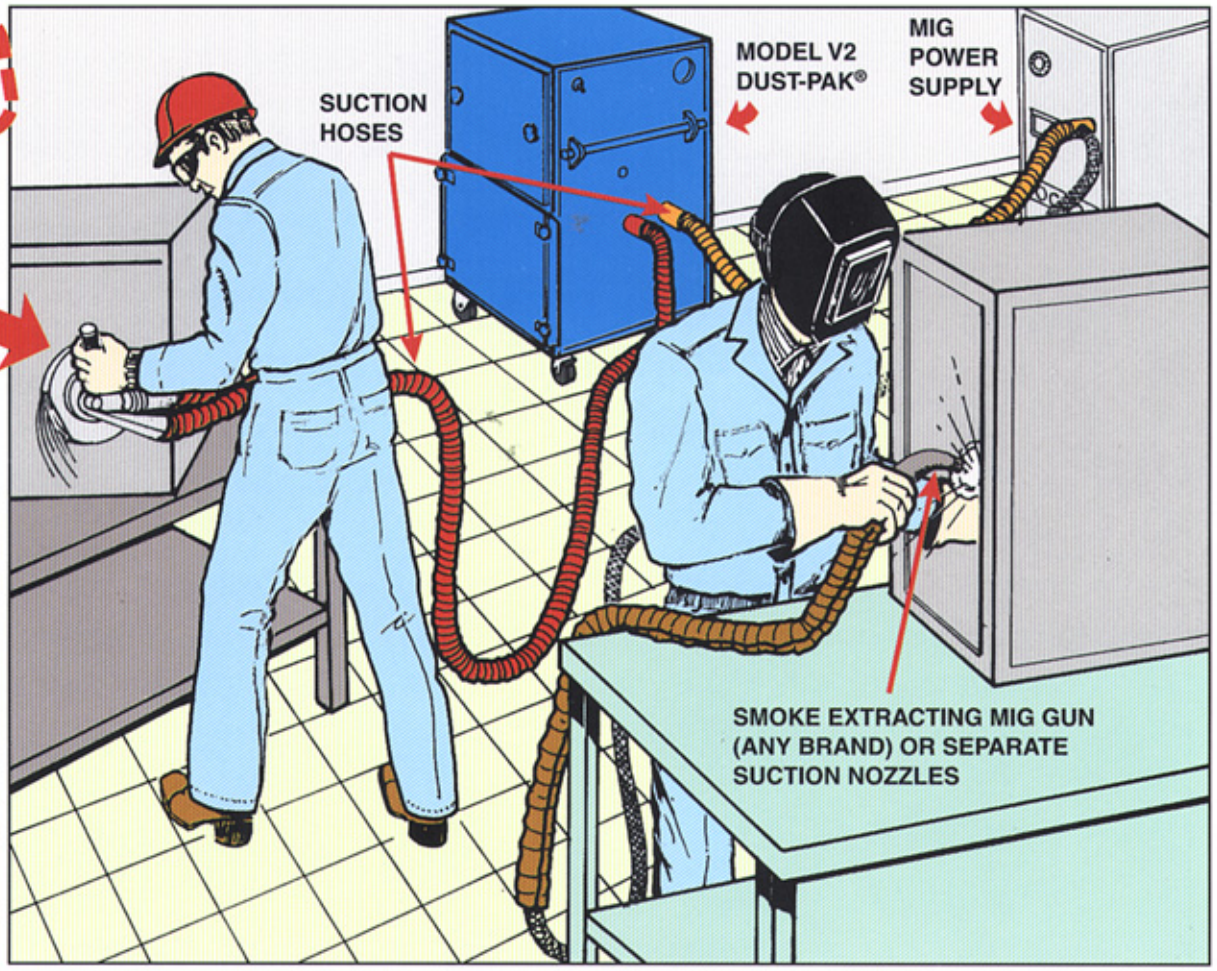
Airflow® SYSTEMS INC.

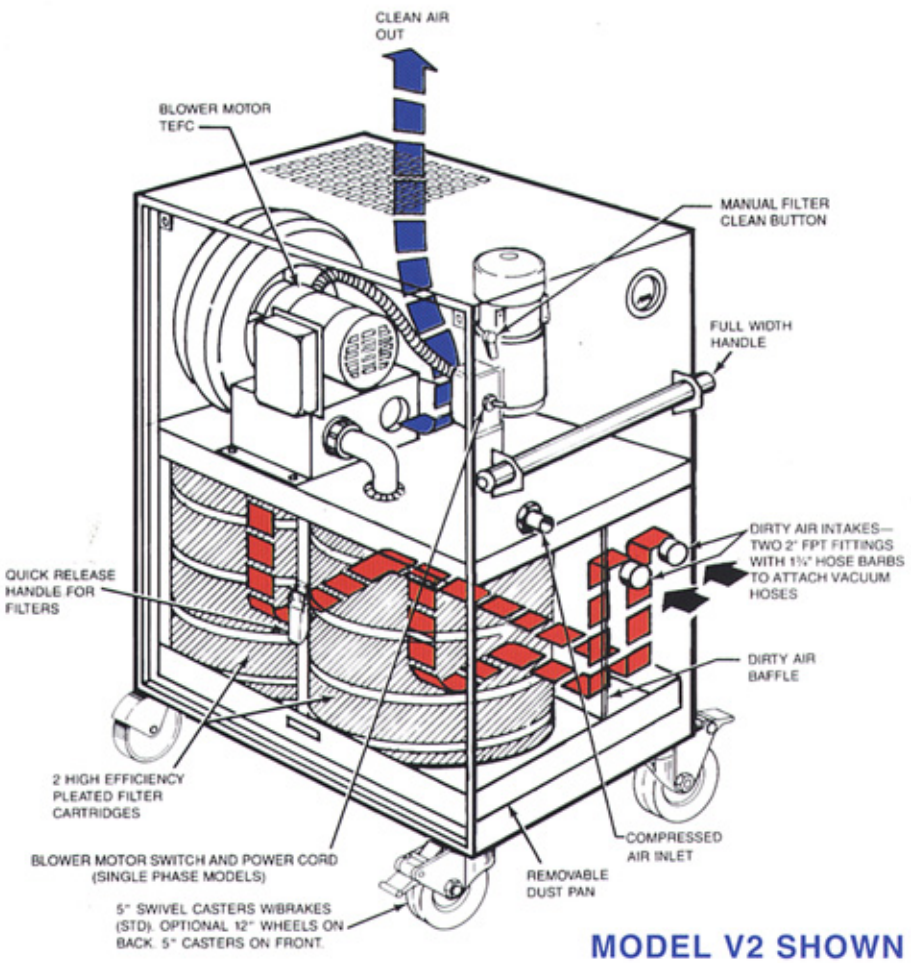
DUST AND SMOKE REMOVAL

VIDEO AVAILABLE

SANDING/ GRINDING DUST REMOVED WITH CUSTOM HOOD (BY AIRFLOW SYSTEMS, INC.) AVAILABLE FOR ANY BRAND TOOL

CALL OR FAX FOR FREE VIDEO!





MODEL V2 SHOWN

PRINCIPLES OF OPERATION

As polluted air travels through the unit, it first enters a plenum chamber which allows the air velocity to slow and drop out large particles. The air must then turn past a 180° bend to further drop out larger particles. This action reduces the particulate load on the filters which causes premature filter clogging. Separated particles then fall into the dust pan. The air then travels through the Clean 2® filters where particulate is removed, allowing the unit to achieve 99%+ efficiency of particulate removal. Finally, the air is drawn through the blower motor and discharged back into the room. The blower chamber serves to reduce and dampen noise. The unit is easily moved into position on 5" casters. When the filters become loaded with particulate, the blower is turned off, 80-100 PSI compressed air connected, and back flushing of the filters is manually performed by the Vibra-Pulse® cleaning system. (This operation is automatic on units so equipped.) At the end of the cleaning cycle, the dust pan is removed and dumped of collected particulate. It is then replaced and the unit returned to service.

DUST-PAK® V-SERIES HIGH VACUUM CARTRIDGE AIR CLEANERS

V2

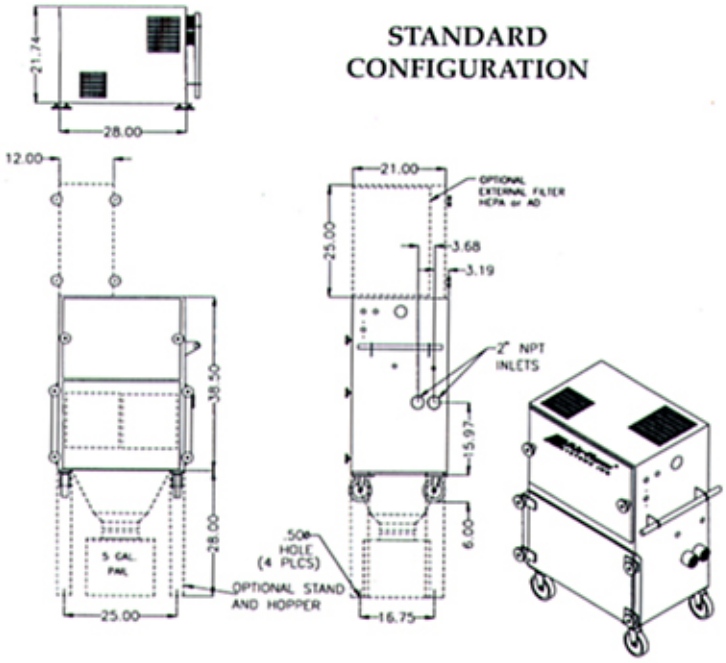
The Dust-Pak® V2 cartridge collector combines a 2 HP TEFC motor and continuous duty blower with 2 high efficiency Clean 2® cartridge filters. Filters cleaned in place manually with Vibra-Pulse® system (automatic cleaning with the Auto-Clean system.) Industrial grade castors for portability (Big Wheel Option available,) and 2" dust pan. For simultaneous operation of up to two stations. 3 HP blower available.

V410

The Dust-Pak® V410 unit increases the filtration capacity and increases storage over the V2. A 10 HP TEFC motor and continuous duty blower allows addional stations or longer piping systems. Filtration is with 2 high efficiency Clean 2® cartridges which are cleaned in place manually with Vibra-Pulse® system (automatic cleaning with the Auto-Clean system.) industrial grade castors for portability. Higher capacity 9" deep dust pan for increased storage. Three phase only.

Airflow® SYSTEMS INC.

MODEL V2



STANDARD CONFIGURATION

SPECIFICATIONS

CONSTRUCTION: 14 Gauge steel cabinet finished with a 2-part chemical and oil resistant paint. Includes side access doors to filters, dust pan and direct drive motor/blower, 5" swivel casters, and manual push-button Vibra-Pulse® control for self-cleaning.

WEIGHT: 304 lbs.

AIRFLOW: 145 CFM / 190 CFM

ELECTRICAL: 2.5 HP 208-230/460/3/60, 6.9/3.45 amps. std.
2.5 HP 115/208-230/1/60, 22.4/12.4-11.2 amps. opt.
3.5 HP 208-230/460/3/60, 9.7-8.8/4.4 amps opt.

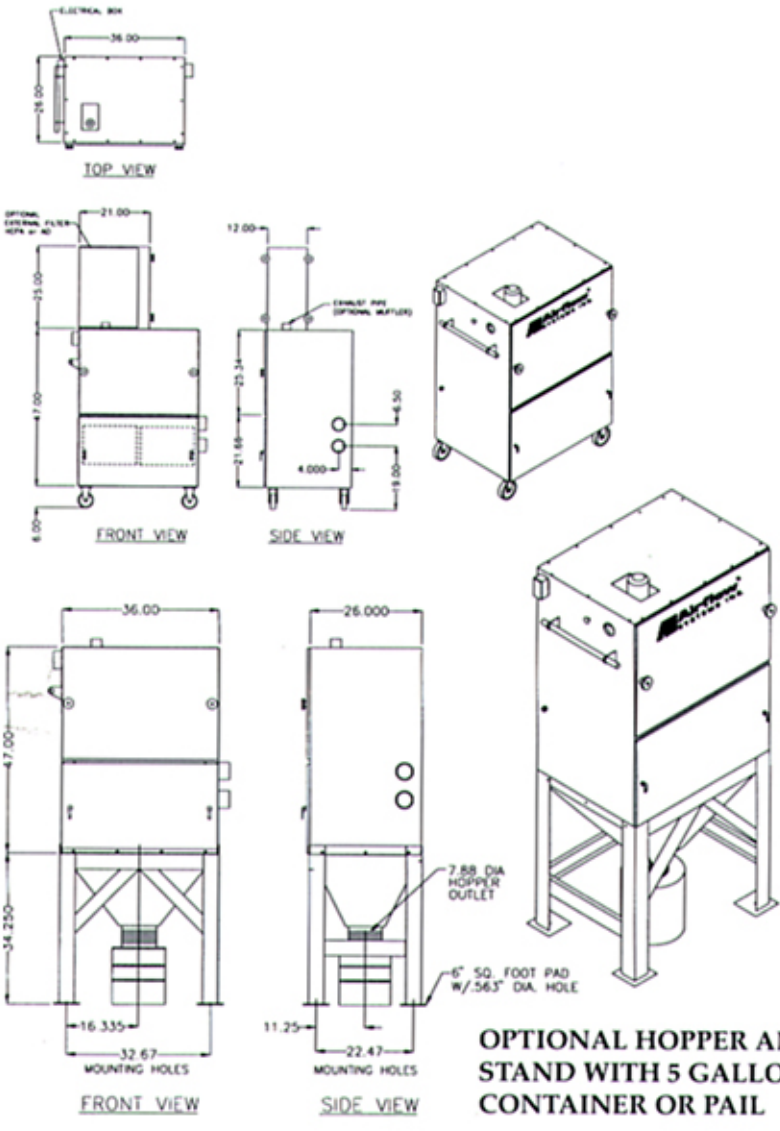
MAIN FILTERS: (2) CLEAN 2® cartridges-12"x12", 107 ft² ea.
(2) Fiber Dust™ cartridges, opt.

AFTER FILTERS: (1) External HEPA filter, 99.97%, opt.

OTHER OPTIONS: Pressure gauge kit indicates filter changes
Filter / regulator gauge
5 Gal. stand and hopper
Big Wheel kit
Auto Clean

*AFS FILTER EFFICIENCIES BASED ON ASHRAE 52-76 TEST METHOD

MODEL V410



OPTIONAL HOPPER AND STAND WITH 5 GALLON CONTAINER OR PAIL

SPECIFICATIONS

CONSTRUCTION: 12 Gauge steel cabinet finished with a 2-part chemical and oil resistant finish. Includes front access doors to filters and motor, removable 8" deep dust pan, 5" swivel casters, and self-cleaning Vibra-Pulse® backflush system. Motor wired to junction box outside unit. Motor starters/disconnects not included.

WEIGHT: 680 lbs.

AIRFLOW: 410 CFM

NOISE: 77 dBA / 72 dBA with muffler

ELECTRICAL: 10 HP 208-230/460/3/60,
27.0-25.0/12.5 amps, std.

FILTER SEAL: Positive sealing filter locking mechanism for all main filters. Requires no tools.

MAIN FILTERS: (2) CLEAN 2® cartridges-16"x11.50",
150 ft² ea., std.
(2) Fiber Dust™ cartridges, opt.

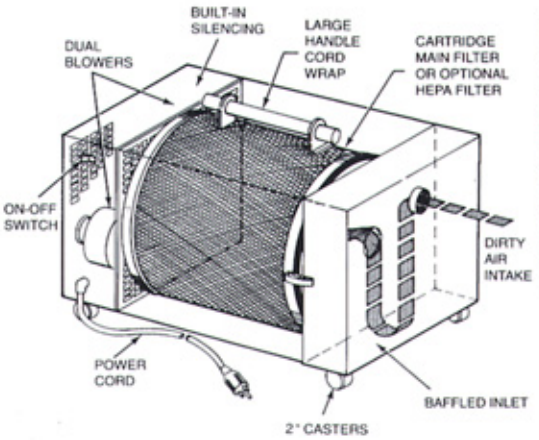
AFTER FILTERS: (1) External HEPA filter, 99.97%, opt.

OTHER OPTIONS: Pressure gauge kit indicates filter changes
5 Gal. hopper and stand
Muffler
Auto Clean

*AFS FILTER EFFICIENCIES BASED ON ASHRAE 52-76 TEST METHOD

DUST - PAK MODEL V-1

The V-1 High Vacuum portable collector handles dust, smoke, and fumes from industrial and commercial processes, removing pollutants at the source and helping meet OSHA*, insurance and worker comfort requirements.



HOW IT WORKS . . .

The V-1 is a high efficiency, high vacuum collector. Air enters the 2" pipe connection, travels through the baffled inlet and through the main filter. Dust is collected on the inside of the filter, minimizing employee exposure to collected material when emptying/cleaning the cartridge. Optional HEPA filter is not cleanable.

These filters, in conjunction with dual blowers, yield the highest performance in the industry!

CARTRIDGE FILTER

Portable option includes handle and floor tools. Shown with optional cyclone prefilter. Cyclone available separately.

DUST-PAK® MODEL V-1 SPECIFICATIONS

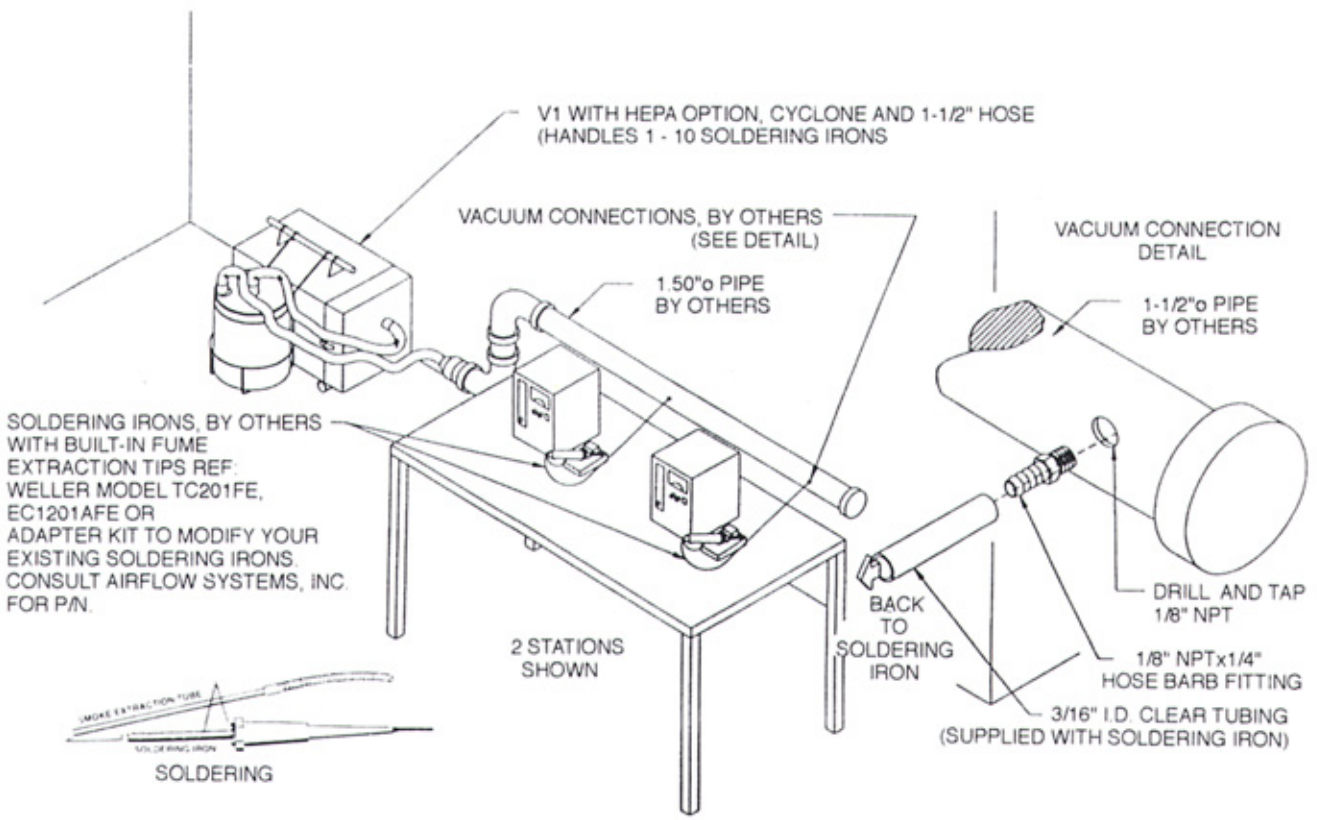
DIMENSIONS:	16"W x 16"H x 30"L
WITH PORTABLE OPTION:	16"W x 16"D x 36"H
WEIGHT:	75 lbs.; 90 lbs portable
CONSTRUCTION:	18 ga. steel, 2 part paint
CONNECTIONS:	2" inlet
FILTER ACCESS:	Removable cover, no tools
AIRFLOW:	200 CFM/94" W.C.
NOISE LEVEL:	74 dBA @ 5 ft.
ELECTRICAL:	115V single phase, 16 amps
FILTER:	Cartridge, cleanable-reusable
EFFICIENCY:	99% Per ASHRAE 52-76

OPTIONS:
- 2x1½x1½ "Y" fitting for dual inlets
- 230V 50/60 HZ
- HEPA afterfilter 99.97%
- Portable option
- Cyclone prefilter
- Cyclone with internal cartridge filter
- Cyclone with internal carbon filter
- Smoke gun attachment
- Grinding hood kits
- Sanding hood kits

CYCLONE OPTION
2" INLET/2"OUTLET

SOLDER TIP EXTRACTION

1 - 10 STATIONS

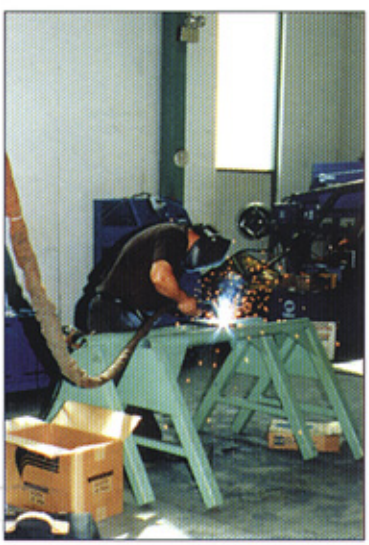


SANDING AND GRINDING HOODS

Airflow Systems can provide custom hoods for most sanders and grinders.

BEFORE

AFTER



SANDING DUST CONTROL WITH DUST-PAK

Orbital sanders designed for vacuum systems, in conjunction with high vacuum dust collectors, do the best job. The sanders are set up for higher CFM's. With the suction holes in both the backup pad and sandpaper, not only do they protect the worker better but also leave less dust on the product. Even with 25 to 50 feet of flex duct between the sander and the **Airflow System, Inc.** Dust-Pak® model V2-HP, the system reduced employee dust exposure 12 times, based upon dust samplers attached to the employees shirt collars.

AFS has a policy of continuous research and improvement, and reserves the right to change design and specifications without notice.

CALL OR FAX FOR FREE VIDEO!

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