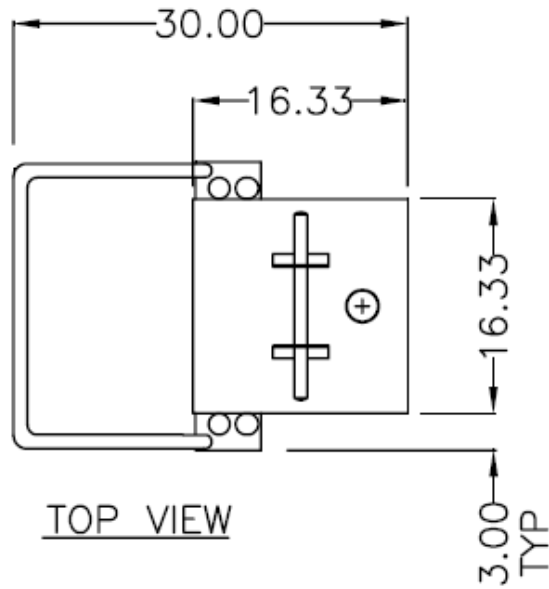
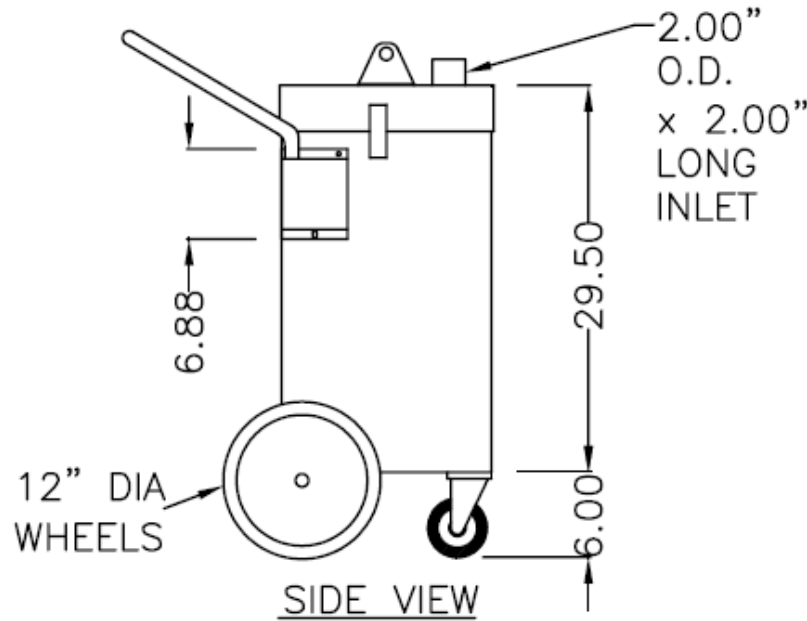


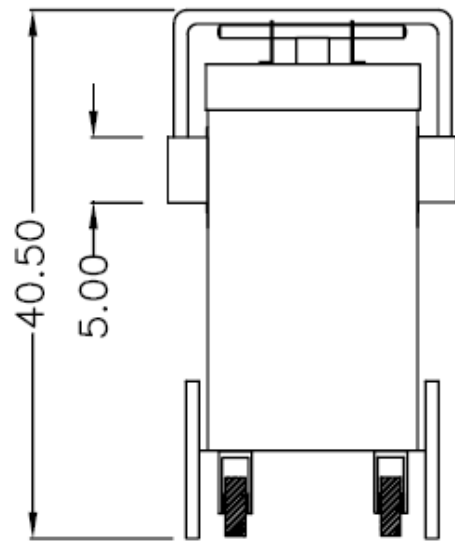
OPTIONAL CYCLONE PREFILTER WITH OR WITHOUT INTERNAL CARTRIDGE



TOP VIEW



SIDE VIEW



FRONT VIEW

- CONSTRUCTION:** 18 Gauge steel cabinet finished with Powder-Coat Finish. Includes 2" inlet connection and baffled inlet chamber, inlet adapter kit, on-off switch, 6' power cord, cord wrap/handle, big wheel kit, handle, 2 piece wand, and floor sweep tool.
- WEIGHT:** 77 lbs.
- AIRFLOW:** 200 CFM max/94" W.C. max (brush motors)  
107 CFM max/152" W.C. max (brushless motor)
- ELECTRICAL:**  (2)brush-type mtr/blwrs, 115/1/60, 15.8 total amps, std.  
 (2)230/50/60, 14.0 total amps, (brush), opt.  
 (1)120/60, 15.6 amps, Continuous duty, brushless, opt. (Not to be used in wet applications.)
- NOISE:** 74 dBA @ 5' (brush)  
68 dBA @ 5' (brushless)

**SPECIFICATIONS:**

- PREFILTERS:**  (1) Cyclone, opt.  
 (1) Cyclone w/internal cleanable/replaceable cartridge, opt.
- MAIN FILTERS:**  (1) 95% cartridge, std.  
 (1) 99.97% HEPA, opt.

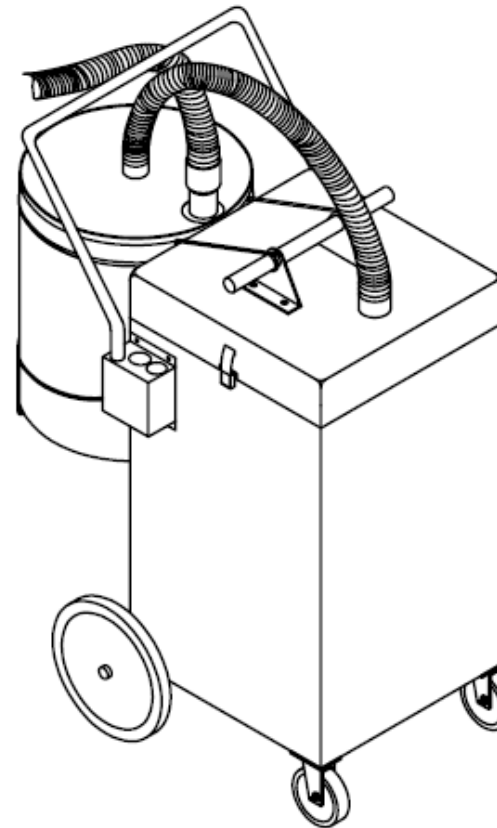
- OTHER OPTIONS:**  Smoke gun attachment  
 Grinding hood kits  
 Sanding hood kits  
 Cyclone hanger

**REPLACEMENT PARTS:** Motor brushes (replace every 500 hours)

**FIRE SUPPRESSION:** Equipment provided by others.

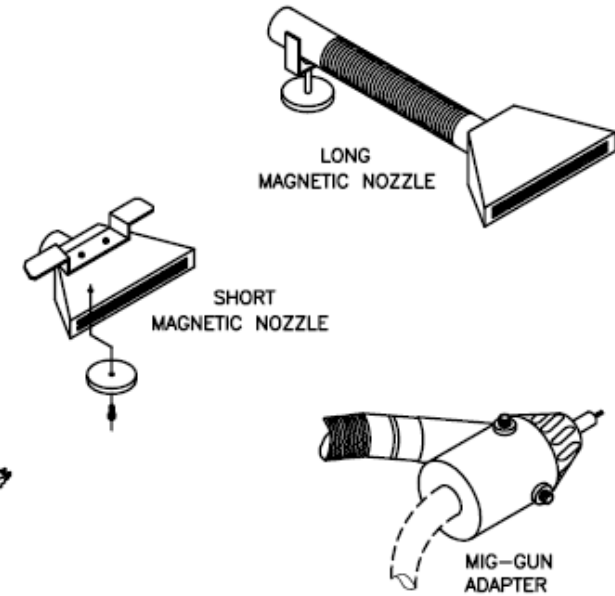
\* AFS FILTER EFFICIENCIES BASED ON ASHRAE 52-76 TEST METHOD

FROM SOURCE



SHOWN WITH OPTIONAL CYCLONE PREFILTER & CYCLONE HANGER

**ACCESSORY HOODS**



CUSTOMER:
CUSTOMER P.O.:
PROJECT:
ENGINEER:
SALES REP.:
IDENTIFICATION / TAGGING:

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Drawn by:	JANOS B
Date:	5/2/2008
Scale:	NTS
Weight:	N/A

<b>12-02 V1</b>	
<b>Portable</b>	
Specification Drawing	
Drawing No.:	File Name: (12-02) V1 Portable - SD
Material:	Product manufactured by: <b>Airflow SYSTEMS INC.</b>
Sheet: 1/2	

## MODELS & OPTIONS

**Part # Description**

### Main System / Part

- V1-CONT Portable high vacuum dust, smoke and fume collector w/ (1) Clean-2® cartridge filter, (1) Continuous Duty brushless motor/blower, 115/1/60Hz, with lighted on-off switch, 6' power cord, and cord wrap/handle. Rated 107 cfm max /152" WC max
- V1 Portable high vacuum dust, smoke and fume collector w/high efficiency cleanable/disposable cartridge filter, 2 brush-type motor blowers\*, 115/1/60, 15 amps, 2/lighted on-off switch & 6' power cord, cord wrap/handle & caster wheels. Must order hose connector separately.

### Fan / Motor Upgrades or Options (when ordering main unit)

- V1-BL Brushless motor assembly option for V-1.

### Filter Options (when ordering main unit)

- V1-2KT92017 Kit to Field Convert Std Cyclone to Internal Cartridge Filter Option for Standard V-1 Unit
- V1-2KT93016 Cyclone Barrel Holder Option for Standard V-1 Unit
- V1-CYC-F Cyclone with internal cleanable/replaceable cartridge filter. (15" dia. x 18" height and weighs 13 lbs.). Does not include Cyclone barrel holder - please add separately.

### Misc. Options

- V1-P Portable package, includes big wheel kit, & handle, 2 piece wand, and floor sweep tool, cyclone is an option. (Add 26 lbs. to ship weight).
- V1-2KT95702 "Y" Connector Kit Option for Standard V-1 Unit
- SGA-01 Smokeless Gun Adapter. Adapts to welding gun for on-tool capture of welding smoke. (Fits most standard welding guns.) 1 1/4" hose connection. Hose & hose clamps must be ordered separately

### "Hi-Vac" Hoses, Crush-resistant

- HVH-CR-1.25 1.25" diameter "HI VAC" Flexible hose - **price per foot**
- HVH-CR-1.5 1.5" diameter "HI VAC" Flexible hose - **price per foot**
- HVH-CR-2.0 2.0" diameter "HI VAC" Flexible hose - **price per foot**
- HVH-CR-2.5 2.5" diameter "HI VAC" Flexible hose - **price per foot**
- HVH-CR-3.0 3.0" diameter "HI VAC" Flexible hose - **price per foot**

### "Hi-Vac" Hoses, Wire Reinforced

- HVH-WR-0.75 0.75" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-1.0 1.0" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-1.25 1.25" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-1.5 1.5" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-1.75 1.75" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-2.0 2.0" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-2.25 2.25" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-2.5 2.5" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-3.0 3.0" diameter "HI-VAC" hose - **price per foot**
- HVH-WR-4.0 4.0" diameter "HI-VAC" hose - **price per foot**

### Hose Connectors and Fittings

- 7HD91402 1-1/2" NPT x 1-1/2" D Hose Barb
- 7HD91403 2" NPT x 2"D Hose Barb
- 7HP27002 1-1/2NPT x 1.75"D Copper Nipple
- 7HP28013 3"NPT x 2"NPT Reducer
- 2AZ67001 Fitting adapter kit 2" to 1.5" (Comes standard with Model V1).
- 7HD21001 1.5 x 1.5 Connector
- 7HD90000 1.0D, Non-Swivel Cuff
- 7HD91001 1.25D, Vinyl Swivel Cuff
- 7HD91002 1.5D, Vinyl Swivel Cuff
- 7HD91003 2.0D, Vinyl Swivel Cuff
- 7HD91004 1.25D x 1.5D Enlarger
- 7HD91005 1.5D, Non Swivel Cuff
- 7HD91006 1.5D x 1.75D Enlarger
- 7HD91007 2 x 1.5 Steel Reducer
- 7TL09002 2 Piece Wand, 54" Long, 1.5 diameter
- 7HD91011 2" x 1.5" reducer. To connect 2" hose to the 7TL0-9002 (2 piece wand).
- HOSE-C-1.25"x1.5" Hose Connector, Steel. Connects 1 1/4" to 1 1/2" vacuum hose.
- HOSE-C-1.75 Hose Connector Steel. Connects 1 3/4" hose to 2" vacuum hose

### Hose, Hood & Nozzle Options

- 7TL09001 Floor Sweep Tool
- 7TL09002 2 Piece Wand, 54" Long, 1.5 diameter

### Source Capture Nozzles, Suction Casings & Hoods

- 2AH17008 Nozzle, Soldering Iron.
- 2AH17003 Magnetic Nozzle, short. Nozzle comes complete with:  
2" diameter hose connection  
10 X 1.25" rectangular opening for capture of fumes and dust
- 2AH17004 Magnetic Nozzle, long. Nozzle comes complete with:  
2" diameter hose connection, 19" Long flexible steel duct  
10" x 1.25" rectangular opening for capture of fumes and dust
- OG-MG-001 ON-GUN suction nozzle for most 250-400 amp. MIG welding guns, as follows:  
50-80 CFM required per gun (depending on the application and welding gun amperage)  
Nozzle supplied with a 1" hose connection 10' hose c/w hose cuff (Hose and hose clamps must be ordered separately)
- OG-MG-005 ON-GUN suction nozzle for most "Push/Pull" MIG welding guns, as follows:  
60-100 CFM required per gun (depending on the application and welding gun amperage)  
Nozzle supplied with a 1" hose connection (Hose and hose clamps must be ordered separately)
- OG-MG-006 ON-GUN suction nozzle for most "Large Automatics" MIG welding guns, as follows:  
400+ amp.  
70-120 CFM required per gun (depending on the application and welding gun amperage)  
Nozzle supplied with a 1" hose connection (Hose and hose clamps must be ordered separately)

12-02

CUSTOMER:  
CUSTOMER P.O.:  
PROJECT:  
ENGINEER:  
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Drawn by: JANOS B  
Date: 5/2/2008  
Scale: NTS  
Weight: N/A



**12-02 V1**  
**Portable**  
**Specification Drawing**

Drawing No.: - File Name: (12-02) V1 Portable - SD  
Material: Product manufactured by: **Airflow SYSTEMS INC.** Sheet: 2/2