Fume extractor is warranted for 2 years, parts and labor.

Quick Specs

**Industrial Applications**
Manufacturing and Fabrication

**Processes**
- Stick (SMAW)
- Flux-Cored (FCAW)
- MIG (GMAW)
- TIG (GTAW)

**Nominal Airflow**
400 CFM (189 L/sec.)

**Sound Level**
74 dBA at 5 ft. (1.5 m)

**Motor Specifications**
- 8.85 HP
- Input Power: 460 V/3-Phase/60 Hz

**Dimensions**
- H: 54 in. (1372 mm)
- W: 26 in. (660 mm)
- D: 48 in. (1219 mm)

**Weight**
551 lb. (250 kg)

**The Power of Blue.**

*Industrial high-vacuum system designed specifically for welding.*

The FILTAIR 400 high-vacuum system with flexible, longer hoses maximizes the portability of extraction attachments such as nozzles and fume guns.

Have a certified industrial hygienist test the air in your facility to determine equipment requirements and ensure adequate protection from contaminants.

See accessories for attachment options.

Fume extractor is warranted for 2 years, parts and labor.

FILTAIR® 400

Miller Electric Mfg. Co.
An Illinois Tool Works Company
1635 West Spencer Street
Appleton, WI 54914 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

Website
MillerWelds.com

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FilTek™ XL Filters

Cleaner Air with FilTek XL Filters
The FilTek XL filter’s higher MERV rating means unrivaled filtering performance.

Filters are rated on a MERV scale, which measures filter efficiency based on particle count. MERV ratings range from 1–16, with 16 being the best at filtering small particles such as those found in weld fumes. The vast majority of weld fumes are less than one micron in diameter, or roughly 1/100th the width of a human hair.

Filters in common air filtration systems often have MERV ratings between 7–11. FilTek XL filters are rated at class-leading MERV 15–16 to capture up to 95 percent of weld fume particulates.

Features

Extraction Flexibility
The FILTAIR 400 can utilize more than 60 feet of collection hose to extend accessories for fume extraction. Rigid ducting can be used to extend overall reach.

Automated Filter Cleaning
The intelligent filter-control system generates automatic filter cleaning and lowers the operating cost of the system.

Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Filter Media</th>
<th>Nominal Airflow</th>
<th>Sound Level</th>
<th>Motor</th>
<th>Input Power</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>108 ft.² (10 m²)</td>
<td>400 CFM (189 L/sec.)</td>
<td>74 dBA at 5 ft. (1.5 m)</td>
<td>8.85 HP</td>
<td>460 V/3-Phase/60 Hz</td>
<td>H: 54 in. (1372 mm) W: 26 in. (660 mm) D: 48 in. (1219 mm)</td>
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</tr>
</tbody>
</table>

FilTek XL Filters

<table>
<thead>
<tr>
<th>Applicable Weld Fume MERV Rating Categories¹</th>
<th>Particle Size Range Efficiency %²</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3 to 1 μm</td>
<td>1 to 3 μm</td>
</tr>
<tr>
<td>10</td>
<td>Not Rated</td>
</tr>
<tr>
<td>11</td>
<td>Not Rated</td>
</tr>
<tr>
<td>12</td>
<td>Not Rated</td>
</tr>
<tr>
<td>13</td>
<td>&lt;75%</td>
</tr>
<tr>
<td>14</td>
<td>75–85%</td>
</tr>
<tr>
<td>15 Miller® FilTek XL</td>
<td>85–95%</td>
</tr>
<tr>
<td>16 Miller® FilTek XL</td>
<td>≥95%</td>
</tr>
<tr>
<td>HEPA³</td>
<td>≥99.97%</td>
</tr>
</tbody>
</table>

Weld Fume Composition⁴

<table>
<thead>
<tr>
<th>Particle Size Range</th>
<th>Efficiency %</th>
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<td>&lt;75%</td>
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<tr>
<td>3 to 10 μm</td>
<td>75–95%</td>
</tr>
</tbody>
</table>

¹American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) 52.2
²National Air Filtration Association (NAFA) Guide
³HEPA filters are depth loading and have high restrictions to air flow, reducing system performance versus FilTek XL filters.
⁴Jenkins, Pierce, Edgar, Particle Size Distribution of GMAW and FCAW

Bernard® FILTAIR® Fume Gun

NEW! Bernard FILTAIR Extraction Gun Series
Ideally suited for almost any solid-wire welding application. Adjustable vacuum chamber maximizes suction without affecting shielding gas, and provides for efficient smoke and fume collection. Available in 300- and 400-amp models.

Features:
- Smaller handle
- Lighter weight
- Flexible back end
- Smaller front end

To order, contact Bernard at 1-800-946-2281 or 1-708-946-2281. When ordering gun, be sure to order Bernard gun adaptor.
Typical Installations

Minimum 200 CFM Required
- Funnel Nozzle: 100 CFM
- Slotted Nozzle: 100 CFM
- Bernard® FILTAIR® fume gun: 35 CFM

2 – 4 Nozzles Attached
- Up to 200 feet of total hose
- 70 feet maximum per attachment

3 Bernard FILTAIR Fume Guns
- Up to 200 feet of total hose
- 70 feet maximum per attachment

3 – 5 Bernard FILTAIR Fume Guns
- Up to 60 feet of horizontal duct
- Up to 135 feet of total hose
- 35 feet maximum from duct

6 Bernard FILTAIR Fume Guns
- Up to 60 feet of horizontal duct
- Up to 135 feet of total hose
- 35 feet maximum from duct

Note: Ducted systems require system balancing. Please call toll-free 855-FILTAIR (855-345-8247) for information on ducted system requirements to fit your needs.
**Genuine Miller® Filter and Accessories**

**Replacement Filter**
#300 925

**Four-Inch Duct Adapter**
#300 974
Easy-to-install panel adapts four hose inlets to single four-inch duct inlet.

**Collection Hose**
- #300 672 17 ft. (5.2 m)
- #300 673 34 ft. (10.4 m)

**Dual Hose Inlet to Duct Adapter**
#301 070
Y-shaped adapter connects four-inch duct to one or two hose attachments.

**Flexible Funnel Magnetic Nozzle**
#300 668

**Slotted Magnetic Nozzle**
- #300 669 11.8 in. (300 mm) width
- #300 670 23.6 in. (600 mm) width

**Ordering Information**

<table>
<thead>
<tr>
<th>Equipment and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILTAIR® 400</td>
<td>#300 894</td>
<td>Industrial high-vacuum system. Order Collection Hoses separately</td>
<td></td>
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<tr>
<td><strong>Recommended Fume Gun</strong></td>
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<tr>
<td>Bernard® FILTAIR® Extraction Gun</td>
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<td>300 or 400 A MIG guns available. See above for more information</td>
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**Distributed by:**

Miller

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