TECHNOLOGY FOR THE WELDER'S WORLD

Fume Extraction Catalog

MIG Guns, Robotics, Fume Extraction Units, & More



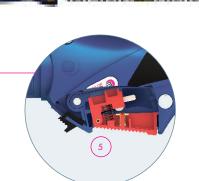
www.binzel-abicor.com

xFUME[®] Fume Extraction Welding Guns Air and Water-cooled



2

Features in Detail:



1: Fume Nozzle (Shroud)

Tapered: Provides better accessibility. Reverse Suction: Provides better smoke extraction especially in vertical/overhead welding positions. Classic, slip-on consumables also available. **2:**

Rubberized Grip Insert

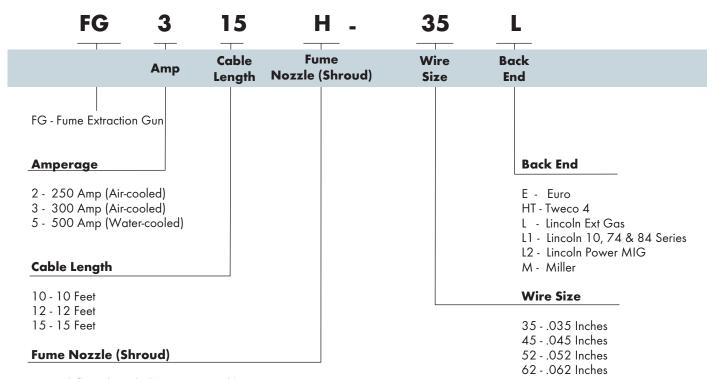
Operator comfort and control 3: Light Weight Cable Reduced operator fatigue 4: External air regulation Ergonomically placed

3

5:

Completely encapsulated mechanical trigger Optimum protection against contamination from welding fume particles

Ordering Chart



H - High-flow Threaded (60° Swanneck) HR - High-flow Threaded Reverse Suction (60° Swanneck)

S - High-flow Slip-on (60° Swanneck)



6:

Optimized cable assembly

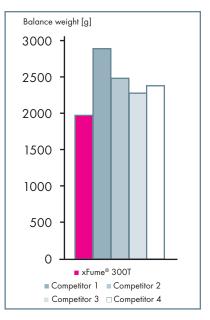
Due to the optimized cable assembly components, as well as an increased cross section, the flow volume increased by 20% for cooler wear parts and longer life.

7:

Machine-side connection

Direct mount to feeder or Euro connection.

xFume[®] Competitive Comparison



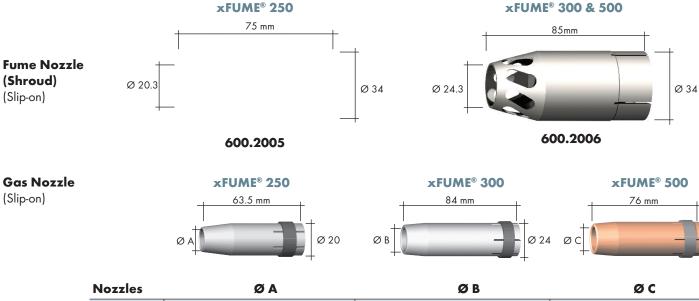
Up to 27 percent less balance weight in comparison to competitors.



| Technical data | Туре | Cooling | Rating | | Duty cycle | Wir | e-Ø |
|----------------|------------------------|---------|--------|--------------------|------------|-----------|------------|
| | | | CO, | Mixed Gases | (%) | (inches) | (mm) |
| | xFUME [®] 250 | air | 250 Â | 220 A | 60 | .030″045″ | 0.8-1.2 mm |
| | xFUME [®] 300 | air | 300 A | 270 A | 60 | .030″062″ | 0.8-1.6 mm |
| | xFUME® 500 | water | 500 A | 450 A | 100 | .035″062″ | 0.9-1.6 mm |

* Hint for liquid cooled torches: To protect the cable assembly components against overheating, we recommend an post cooling time of at least four minutes.

Consumables



| | inozzies | ØA | | ØB | | ØC | |
|-----------|-------------|---------|----------|-------|----------|-------|----------|
| Part Nos. | Cylindrical | Ø 17 | 145.0047 | Ø 19 | 145.0045 | Ø 20 | 145.0051 |
| (Slip-on) | Conical | *Ø 12.5 | 145.0080 | *Ø 16 | 145.0078 | *Ø 16 | 145.0085 |
| | Conical | Ø 10 | 145.0128 | Ø 12 | 145.0126 | Ø 14 | 145.0132 |

Ø 24

Wear Parts

| | | | xFUME [®] 250 | ×FUM | E [®] 300 & 500 |
|--------------------------|--|--|---|--|--|
| Fume (Threa | Nozzle (Sh ded) | roud) Ø 22 | 50 mm | 50 mm | $2 \qquad \emptyset 24 \qquad 0 \qquad $ |
| Gas N (Threa | Nozzle ded) | Ø 12. | 284.1061 Standard 50 mm 5 50 mm Ø 24 317.0106 | 284.0734 Standard ("H" Option) Ø15.5 Ø15.5 mm Ø15.5 dot | 600.0116 Standard ("HR" option) 9 26 Ø 18 0 26 317.0369 |
| Part Nos. | Nozzles | | xFUME® 250 | | 300 & 500 |
| (Threaded) | Tapered Cylindrical | | 317.0106* - 317.0215 | 317. | 0102* .0369 .0214 |
| | Fume Shrc Heavy-Duty Reverse Suc | Black Steel | 284.1061 284.2017 | 284. | .0734 .0116 |
| | | | Ø 8 ⊥ ⊂ ``` * M6 | Ø 8 M6 | Ø 10 01 0 * M8 |
| Contact tip (25 pcs.) | E-CU* | Ø .030" Ø .035" Ø .040" Ø .045" Ø .052" Ø .062" Ø .078" Ø .078" Ø .094" Ø .035" Ø .040" Ø .045" | 140.0051 140.0169 140.0242 140.0379 - - - - - - - - - - - - - - - - - - - | 140.0051 140.0169 140.0242 140.0379 140.0516 140.0555 - - - - 140.0054 140.0172 140.0245 140.0382 | 140.0114 140.0214 140.0313 140.0442 140.0533 140.0587 - - 140.0117 140.0217 140.0316 140.0445 |
| | Silver | Ø .052" Ø .062" Ø .078" Ø .094" Ø .030" Ø .035" Ø .040" Ø .045" | - - - - 147.0054 147.0172 147.0245 147.0382 | 140.0519 140.0558 - - - 147.0054 147.0172 147.0245 147.0382 | 140.0536 140.0590 - - 147.0117 147.0217 147.0316 147.0445 |
| | | Ø .052" Ø .062" Ø .078" Ø .094" | | 147.0519 147.0558 - - | 147.0536 147.0590 - - |

*Designates factory standard

xFUME® Fume Extraction Welding Guns **Tip Holders, Diffusers and Liners**

| | xFUME [®] 250 | xFUME | ® 300 | xFUME [®] 500 | | |
|---------------------------------|------------------------|--------------------------------|-----------|------------------------|--|--|
| Contact tip holder (10 p | сs.) | M6 / M8 | M8 | M6 / M8 | | |
| M6 M8 | *142.0003 | 142.0 *142.0 | | 142.0008 *142.0022 | | |
| Gas diffuser w/o-ring (| 10 pcs.) | 32.5 | mm | 28 mm | | |
| Standard | 012.0407* | 014.06 | | 284.1821* | | |
| High Temp (Black) | - | 014.0 | | | | |
| Gas diffuser (10 pcs.) | 20 mm | | | 28 mm | | |
| Standard | 012.0183 | 014.0 | | 030.0145 | | |
| High Temp (Black) | - | 014.0 | 0026 | 030.0037 | | |
| a di anana dana ana | | مبتقريي نتيات وارجد بزوار عمده | | 200 | | |
| 📴 | | | | | | |
| Liners for steel wires | x | FUME [®] 250 | xFUME® 30 | 00 xFUME® 500 | | |
| Insulated steel liner 17' .02 | 4"035" | 124.0015 | 124.0015 | ; _ | | |
| Insulated steel liner 17' .03 | 5″045″ | 124.9042 | 124.9042 | - | | |
| Insulated steel liner 17' .05 | 2″062″ | - | 124.9043 | - | | |
| Uninsulated steel liner 17' . | 035"045" | - | - | 122.9057 | | |

Uninsulated steel liner 17' .035"-.045"

Uninsulated steel liner 17' .052"-.062"

Collet

| O-ring | Collet | | |
|---|------------------------|------------------------|------------------------|
| Liners for stainless wires | xFUME [®] 250 | xFUME [®] 300 | xFUME [®] 500 |
| Liner C-TFE 024"-030" 12' (for 10' gun) | 127.9007 | 127.9007 | 127.9007 |
| Liner C-TFE 024"-030" 17' (for 12' & 15' gun) | 127.9009 | 127.9009 | 127.9009 |
| Liner C-TFE 035"-045" 12' (for 10' gun) | 127.9001 | 127.9001 | 127.9001 |
| Liner C-TFE 035"-045" 17' (for 12' & 15' gun) | 127.9003 | 127.9003 | 127.9003 |
| Liner C-TEF 052"-062" 12' (for 10' gun) | - | 127.9004 | 127.9004 |
| Liner C-TEF 052"-062" 17' (for 12' & 15' gun) | - | 127.9006 | 127.9006 |

122.9058

| Liner parts | xFUME [®] 250 | xFUME [®] 300 | xFUME [®] 500 |
|---|------------------------|------------------------|------------------------|
| Liner C-TFE - 024"-030" Bulk | 125.0005 | 125.0005 | 125.0005 |
| Liner C-TFE - 035"-045" Bulk | 125.0007 | 125.0007 | 125.0007 |
| Collet Plastic Liner - 024"-045" | 131.0001 | 131.0001 | 131.0001 |
| Collet Plastic Liner - 052"-078" | _ | _ | 131.0002 |
| O-Ring 3.5X1.5mm | 165.0008 | 165.0008 | 165.0008 |
| Euro Liner Support for small PA Liners (See LIT.9039) | **129.xxxx | **129.xxxx | **129.xxxx |

*Designates factory standard.

**Length varies depending on central adapter p/n, see LIT.9039

xFUME[®] Fume Extraction Welding Guns

Accessories

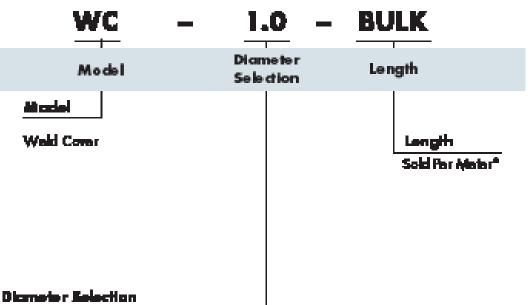
Weld Cable Cover



Features & Benefits

- 1000 Denier Cordura with flame retardant coating
- Extremely lightweight
- Continuous temp rating: +250°F
- Momentary temp rating: 800°F
- Excellent UV protection
- Unaffected by water, oils, and mild solvents
- Excellent resistance to abrasion, weld spatter, puncture and tear resistance

Ordering Instructions for Pretective Cable Covering



1.0 = 1° D

2.0 = 7 D

2.25 = 2-1/4" D

2.38 = 2-3/8" ID (2.38" cover its the 38mm CO locations from well and is tight as the larger 46mm CO over ham. Som each factors"" | 2.5 = 2-1/2" ID (2.50" cover its the 18mm CO locations have been used its well as the larger 45mm CO over how. Som each balaw"" |

*46m - Ora fail 160' sell.

**In most applications, the 2.36° cover is preferred, but it is recommended to releat 2.6° cover if flexibility is required on the near fune have region of the fune extraction tools. Tight have coverings limit flexibility of the fune love.

xFUME[®] Fume Extraction Welding Guns Accessories

Anti-Spatter Ceramic Spray & Coating Cap



Gas Flow Checker



Ceramic Spray (p/n 192.0228.12 (12-pack)) Ceramic Spray (p/n 192.0228.1 (Single Can))

Aerosol ceramic anti-spatter coating. Thin coating creates a solid protective barrier against spatter on consumables, fixtures, and tools.

A single application lasts up to 6 hours of welding which means less downtime in both robotic and hand-held welding applications.

13.5 oz. cans sold by the case

Coating Cap (p/n 192.0256.1 (1 each))

The Ceramic Coating Cap was developed special for ABICOR BINZEL's Ceramic Spray. The tip of the gas nozzle and its interior can be protected in a few seconds from adhering welding spatter with the Coating Cap.

The Coating Cap offers cost savings through lower consumption while protecting both the welder and the environment.

Gas Flow Checker (p/n 191.0013 (1 each)) Metric Gas Flow Checker (p/n 191.0003 (1 each))

Ensure you're getting the proper gas flow at the nozzle. Measures 0-40 cfh. Metric gas flow checker also available (0-20 l/min).

Magnehelic Static Pressure Gauge

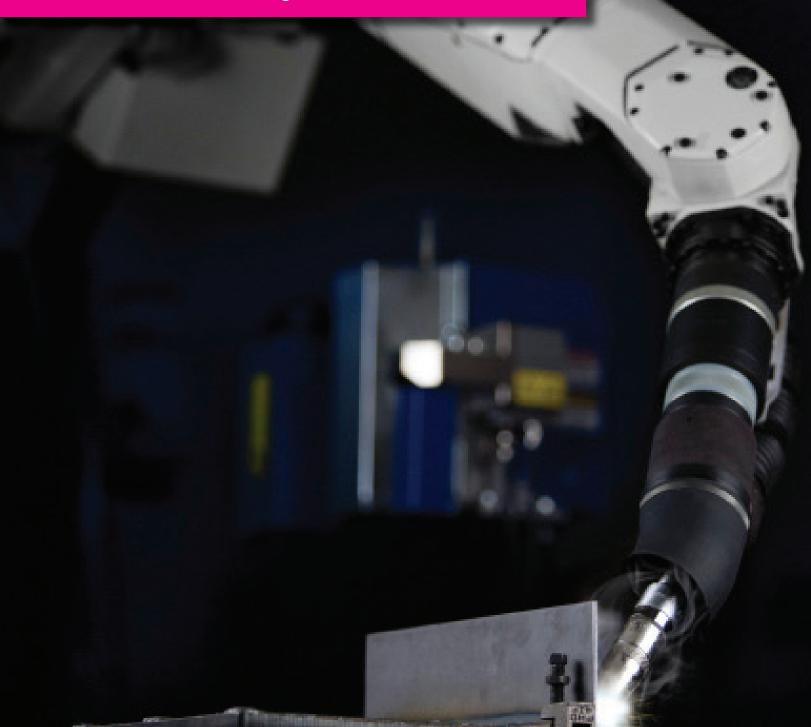


Magnehelic Static Pressure Gauge (p/n 284.1939)

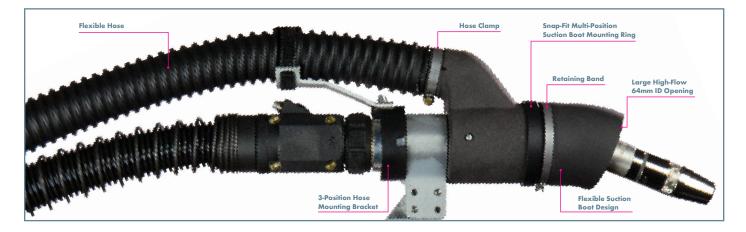
Test various sections of your fume extraction system to ensure the optimal static pressure is being produced.

CEANCELL TECHNOLOGY

Full line of fume extraction solutions to keep your robotic cell, and the surrounding area, clean and fume-free.



xFUME[®] Robo Over-Arm Robotic Fume Extraction Kit



xFUME® ROBO for Over-Arm ABIROB A & ABIROB W



Features & Benefits:

- Patent-Pending Design
- Replaceable wear parts
- 5' flexible suction hose with 50mm/2" Ø male adapter
- Flexible suction boot for improved accessibility

- Includes 2" hose clamp & two heavy duty hook-n-loop straps for hose management
- Fits onto existing ABIROB & WH torch setups
- Compatible with any fume extractor capable of 22in - w.c. min.*

*22"w.c. minimum measured at rear connection of 5' flex hose for optimal removal of fume generated using solid wires.

xFUME[®] ROBO Over-Arm Replacement Parts

| Replacement parts and accessories | 1 | | 4 |
|---|-------------|--|--------------------|
| | 5 | 6 7 Image: Constraint of the second | 8 |
| | 9 | | |
| | Pos. | Description | Part-No. |
| | | Complete unit | See Order Chart |
| | 1 | Suction Boot | See Table (pg. 15) |
| | 2 | Suction Boot Mounting Ring - OA | 284.1755 |
| | 3 4 5 | Boot Clamp | 284.1827 |
| | 4 | Hose Clamp - Front | 171.0013 |
| | | Hose Clamp - Rear | 171.0012 |
| | 6 | Hose Bracket | 284.1856 |
| | 7 | 5' OA Extraction Hose | 284.1795 |
| | 8 | Housing Set Screw (ROBO WH) | 009.0466 |
| | 9 | Housing Set Screw (ABIROB A) | 009.0463 |
| | 10 | Housing Set Screw (ABIROB W) | 009.0467 |
| | 11 | Hose Management Straps | CS-08HDE |

Features & Benefits:

Replaceable wear parts

Replacement parts and accessories

- 5' flexible suction hose with 50mm/2" Ø male adapter
- Flexible suction boot for improved accessibility
- ABIROB A kit allows for J6 axis rotation with secure, sidemounted extraction hose.
- J4 Hose management clamp with elastic hook-n-loop straps.
- Fits onto existing ABIROB & WH torch setups
- Compatible with any fume extractor capable of 22in - w.c. min.*

*22"w.c. minimum measured at rear connection of 5' flex hose for optimal removal of fume generated using solid wires.

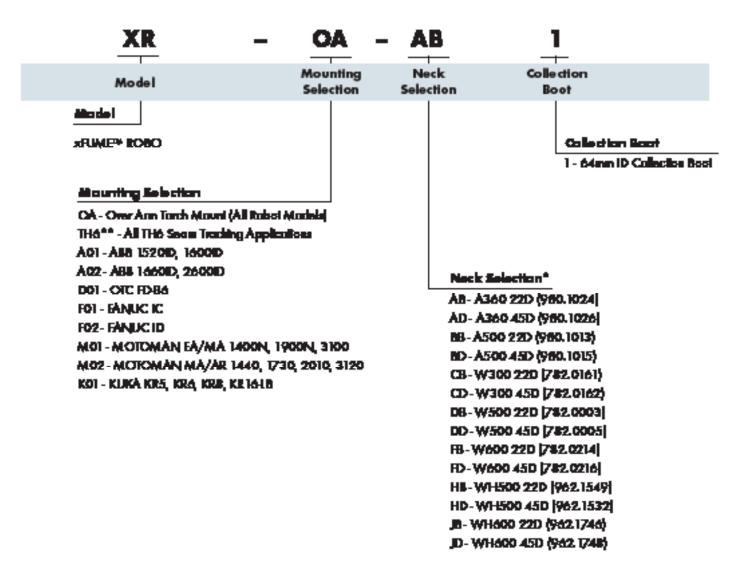
xFUME[®] Robo Through-Arm Replacement Parts

| | | 4 |
|---|--|---|
| 5 | | 8 |
| 9 | 10 11 | 12 |
| (| | Manager The |
| Per | | Best Ma |
| Pos. | Description Complete unit | Part-No. See Order Chart |
| | Complete unit | See Order Chart |
| 1 | Complete unit Suction Boot | See Order Chart See Table (pg. 15) |
| | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) | See Order Chart See Table (pg. 15) 284.2102 |
| 1 2 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) | See Order Chart See Table (pg. 15) 284.2102 284.1755 |
| 1 2 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 |
| 1 2 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 |
| 1 2 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 |
| 1 2 3 4 5 6 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales |
| 1 2 3 4 5 6 7 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) 5' HW Extraction Hose | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales 284.1795 |
| 1 2 3 4 5 6 7 8 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) 5' HW Extraction Hose Housing Set Screw (ROBO WH) | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales 284.1795 009.0466 |
| 1 2 3 4 5 6 7 8 9 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) 5' HW Extraction Hose Housing Set Screw (ROBO WH) Housing Set Screw (ABIROB W) | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales 284.1795 009.0466 009.0467 |
| 1 2 3 4 5 6 7 8 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) 5' HW Extraction Hose Housing Set Screw (ROBO WH) Housing Set Screw (ABIROB W) J4 Hose Management Clamp w/24" Straps | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales 284.1795 009.0466 009.0467 284.2097.1 |
| 1 2 3 4 5 6 7 8 9 | Complete unit Suction Boot Suction Boot Mounting Ring (ABIROB A) Suction Boot Mounting Ring (ABIROB W & ROBO WH) Boot Clamp Clamp - Extraction Hose Front Clamp - Extraction Hose Rear J5 Hose Guide (ABIROB A Rotational)(Robot Specific) 5' HW Extraction Hose Housing Set Screw (ROBO WH) Housing Set Screw (ABIROB W) | See Order Chart See Table (pg. 15) 284.2102 284.1755 284.1827 171.0013 171.0012 Contact Sales 284.1795 009.0466 009.0467 |



xFUME' ROBO

Ordering lastructions for xFUME® ROBO Kits



*Neck options listed are standard neck options. For custom neck solutions, please contact sales.

**Use the TH6 mounting selection for ABIROB W on Fanuc Servo Drvie versions iC2 & iC3

xFUME® ROBO Replacement Suction Boot Selection



Replacement Suction Boot Selection

| Torch Series | Torch Neck | Suction Boot | Over-Arm/Hollow Wrist |
|-------------------|----------------------|--------------|-----------------------|
| A500 22D/A360 22D | 980.1013/980.1024 | 284.1662.1 | OA |
| A500 22D/A360 22D | 980.1013/980.1024 | 284.1663.1 | HW |
| A500 45D/A360 45D | 980.1015/980.1026 | 284.1667.1 | OA |
| A500 45D/A360 45D | 980.1015/980.1026 | 284.1668.1 | HW |
| W500 22D | 782.0003 | 284.1664.1 | OA/HW |
| W500 45D | 782.0005 | 284.1669.1 | OA/HW |
| W600 22D | 782.0214 | 284.1846.1 | OA/HW |
| W600 45D | 782.0216 | 284.1848.1 | OA/HW |
| WH500 22D | 962.1549/962.9945.US | 284.1666.1 | OA/HW |
| WH500 45D | 962.1532/962.9948.US | 284.1670.1 | OA/HW |
| WH600 22D | 962.1746/962.1770 | 284.1850.1 | OA/HW |
| WH600 45D | 962.1748/962.1772 | 284.1851.1 | OA/HW |

Note: If your torch neck is not listed, please see the table on our website here:

www.binzel-abicor.com/US/eng/products/fume-extraction-welding/xfume-robo/ or contact Customer Service

xFUME[®] Advanced System Overview

Features & Benefits:

- High-vacuum capacity with high static pressure removes fume more efficiently
- Up to 2 fume guns able to be connected
- Automatic filter cleaning with an easy to use compressed air impulse feature

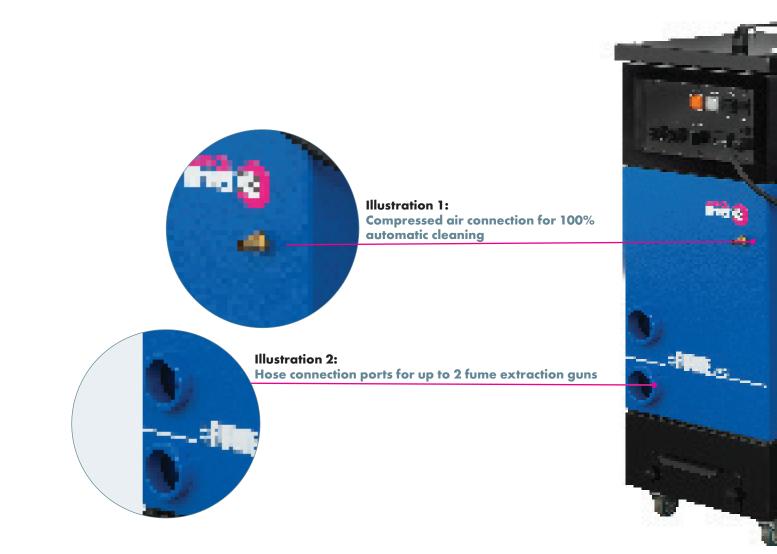


Illustration 1:

Compressed Air Connection

3/8" Industrial quick-disconnect for optimal filter cleaning

Illustration 2: Hose Connection Ports

60mm inlet ports for direct hose-cuff connection

Illustration 3: Motors

Dual vacuum motors w/replaceable brushes for peak vacuum performance

- Up to 99.5% particle retention from 0.1 0.3µm
- Compact and easy to transport around the shop floor

Automatic start/stop function



Illustration 4: Control Panel

Simple on/off, auto/manual, and speed controls w/power indicator, service lights, hour meter, and two shunt receptacles

Illustration 5: Dust Collection Bin

Slide-out tray w/threaded fasteners for easy installation and maintenance.

xFUME[®] Advanced Part Numbers & Replacement Parts

| Complete extraction unit | 1 | | 2 | (1) Start/stop shunt (2) Cartridge filters (1) 3/8" industrial q (1) Filter wrench | vith hose cuffs, L = 5m (16') uick-disconnect air fitting ose and start/stop shunt purchased |
|---|------|-----------------|------------------------------|---|--|
| Replacement parts and accessories | 3 | | 4 | 5 | 6 |
| | 7 | | 8 | 9 | |
| | | | 12 | 13 | 14 |
| | Pos. | Description | | | Part-No. |
| | 1 | - | xFUME ADVANCED (115) | /, 60 Hz) | 601.0128.1 |
| | 2 | Complete unit | xFUME ADVANCED (230 | | 601.0121.1 |
| | 3 | 3/8″ Industria | l Air Connection | | 284.1814 |
| | 4 | | e (HISTEC PTFE)* | | 601.0111 |
| | 5 | Vaccuum Port S | | | 601.0114 |
| | 6 | | Screw for Dust Collection Bi | n | 601.0115 |
| | 7 | | e (Complete) - 5m (16') | | 601.0117.1 |
| | | Extraction Hos | | | 601.0116.1 |
| | 8 | Air Connection | | | 601.9105.US |
| | 9 | Quick-Lock Lat | | | 601.0120 |
| | 10 | Auto Start/Sto | | | 601.0041 |
| | 11 | (1) Motor - 1.6 | | | 601.0122.1 |
| | 12 | Carbon Brushe | | | 601.0129.1 |
| | 13 | (1) Motor - 0.8 | | | 601.0110 |
| | 14 | Carbon Brushe | es - 0.8 kW | | 601.0118 |
| | | | | | |



Fume Extractor Unit IndustriFume[™]

For 4 or More Fume Extraction Stations -Manual or Robotic!



Power and Precision for Fume Extraction Welding.

IndustriFume is designed to fit 4 or more fume extraction welding guns or kits and captures up to 99.97%* of harmful welding fumes emitted in plants every day. Use IndustriFume with a variety of flexible hose packages or hard duct the IndustriFume to a fixed position.

- Fit 4 to 6 fume extraction welding guns or kits to a single unit for increased space efficiency
- Powerful motor and sturdy design reaches a high static pressure to capture fumes even at high parameters
- User-friendly setup lets you use flexible hoses or hard ducting to meet your operating needs
- Variable Frequency Drives provides unique control capabilities

| Technical |
|----------------|
| specifications |

Open airflow: Connections:

Electrical requirements: (All options 3-Phase) Compressed air requirement:

Noise level: Filter:

Motor power: Filter efficiency * *:

Cleaning:

Weight:

Size:

Filter area:

Automatic start/stop:

Adjustable air flow:

IndustriFume®

710 CFM (1207 m³/h) Single 5" port for duct system (standard) 4-port plenum plate (optional) 6-port plenum plate (optional) 208*-230V/460V/575V 70 - 90 PSI (4.8 - 6.2 bar) 0.25 inch industrial quick connect \leq 75 dB(A) at 5 ft MERV15 Flame Retardant Nano Fiber 275 ft^2 E11 Flame Retardant PTFE 100% Spunbond Polyester 273 ft² 28 HP ≥ 85% - 95% @ 0.1 - 0.3µm ≥ 99.97% @ 0.1 - 0.3µm (w/optional HEPA exhaust filter) automatic 273 - 275 ft² Yes Yes Approx. 1166 lbs. (529kg) 62 x 31 x 71 in 1575 x 787 x 1803 mm

*Performance specs based on 230V; Reduced max performance on 208V **Filter efficiency dependent on the choice of filter. For more information please contact us for a consultation.

Ideally suited for xFUME[®] fume extraction weld solutions

IndustriFume fume extractor units are made to be used with Manual or Robotic fume extraction solutions. Pair up the IndustriFume with ABICOR BINZEL fume extraction guns like the xFUME[®], or use with the revolutionary xFUME[®] ROBO robotic fume extraction kits - available for ABICOR BINZEL robotic MIG guns in through-arm or over-arm styles.





Fume Extractor Unit IndustriFume™ **System Overview**

IndustriFume Features & Benefits:

- Automatic start/stop function with Economizer Shunt
- Up to 275ft², vertically positioned filter
- Automatic filter cleaning with programmable pulse controller



Illustration 1: **Automatic Filter Cleaning**

Reach maximum filter service-life through automatic filter cleaning with the programmable pulse controller. A differential pressure sensor is used to actively monitor filter condition and perform automatic cleaning cycles without interrupting operation. A pulse-air reservoir is used for maximum efficiency. When necessary, filter changes can be completed quickly and easily with a tool-less clamping design.

Illustration 2:

Heavy Duty Construction The Industrifume units are built to last, utilizing 10 & 12-gauge steel construction with built-in acoustical lining and corrosion-resistant aluminum blower housing, impeller and cover. It is powered by a 28 HP motor with permanently sealed ball béarings and thermal overload protection.

Replaceable spark arrestor

- Up to 95% fume removal depending on filter choice Up to 99.97% w/optional HEPA exhaust filter
- 3-Phase 208/230V, 460V or 575V power supply options

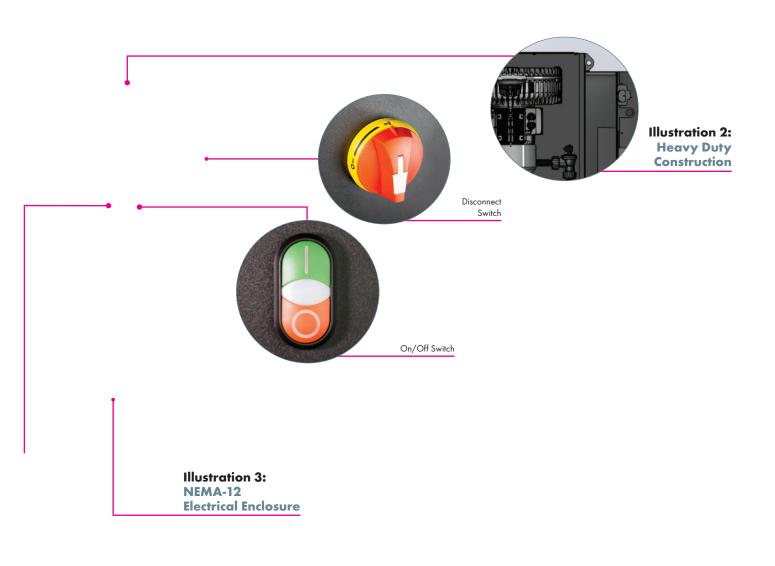


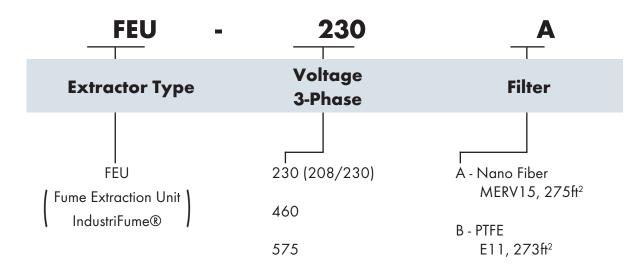
Illustration 3: NEMA-12 Electrical Enclosure

Electronics, including the variable frequency drive and the AutoPulse controller, are housed in a NEMA-12 electrical enclosure. The disconnect switch, start/ stop button, and AutoPulse controller interface are easily accessible from the front panel.

Fume Extractor Unit IndustriFume[™] Replacement Parts

| Complete extraction unit | | | Extraction unit packag - Economizer® Soft Star - 1 Filter cartridge (2 Op - Replaceable Spark Arr | rt Shunt ptions) | |
|---|------|----------------|---|---------------------|-----------------|
| Replacement parts and accessories | 2 | 3 | 4 | 5 | |
| | 6 | | 8 | 9 | |
| | Pos. | Description | | | Part-No. |
| | 1 | Complete unit | | | See Order Chart |
| | 2 | | n Plate Assembly (Optional) | | 284.1709 |
| | 3 | Adapter Sleeve | Vacuum Tube 2″Ø | | 284.1689 |
| | 4 | | ing Plenum Plate (Standard) | | 284.1685 |
| | 5 | Pulse Valve | | | 284.1691 |
| | 6 | Door Gasket (C | | | 284.1687 |
| | 7 | | uto Start/Stop Shunt | | 284.1686 |
| | 8 | MERV15 Nano | | | 284.1698 |
| | 8 | E11 PTFE 100% | | | 284.1699 |
| | 9 | HEPA Exhaust F | ilter (Optional) | | 284.2033 |

Ordering Chart



Notes

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|------|--|------|--|------|------|-------|------|------|------|------|------|---|---|
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