TECHNOLOGY FOR THE WELDER'S WORLD

Fume Extraction Catalog

MIG Guns, Robotics, Fume Extraction Units, & More



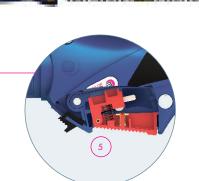
www.binzel-abicor.com

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

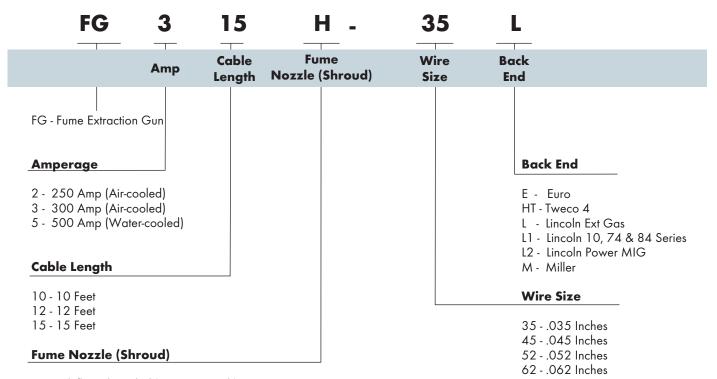
Operator comfort and control 3: Light Weight Cable Reduced operator fatigue 4: External air regulation Ergonomically placed

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

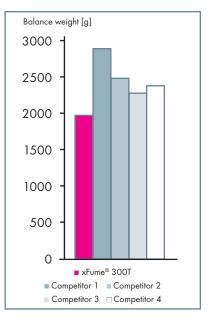
Due to the optimized cable assembly components, as well as an increased cross section, the flow volume increased by 20% for cooler wear parts and longer life.

7:

Machine-side connection

Direct mount to feeder or Euro connection.

xFume[®] Competitive Comparison



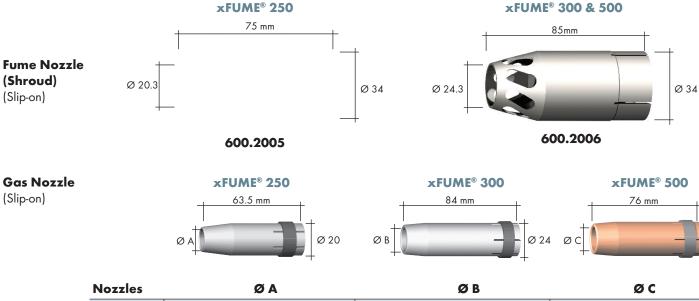
Up to 27 percent less balance weight in comparison to competitors.



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

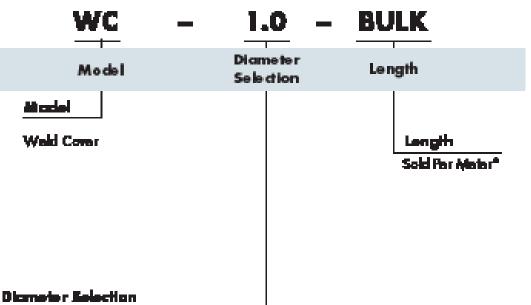
Weld Cable Cover



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

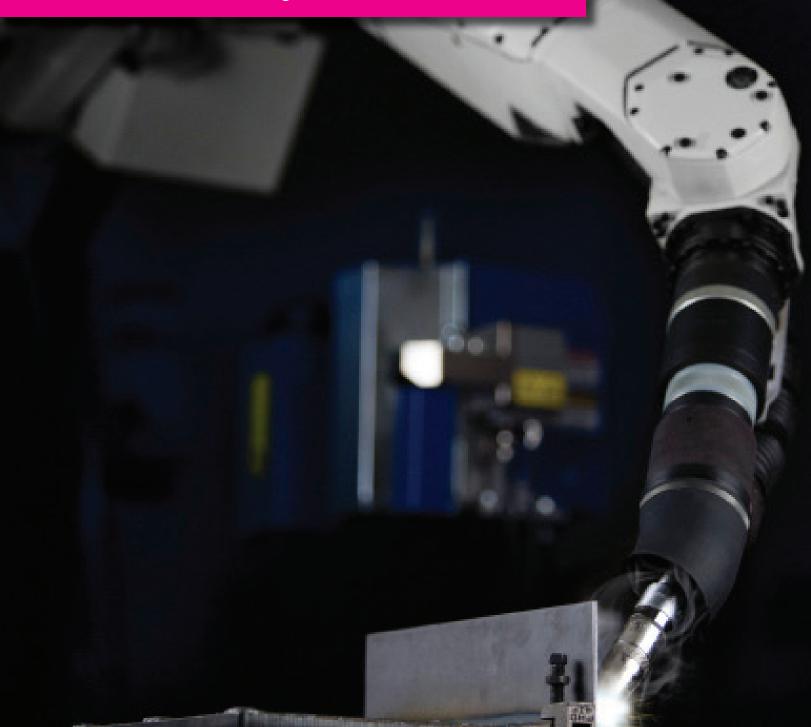


Magnehelic Static Pressure Gauge (p/n 284.1939)

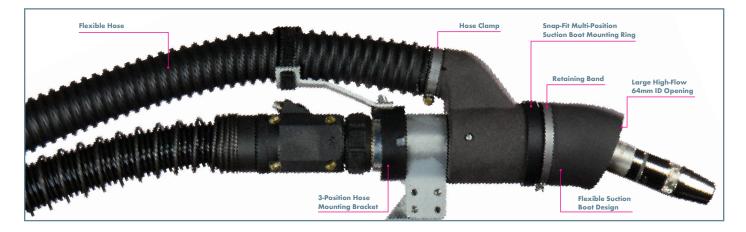
Test various sections of your fume extraction system to ensure the optimal static pressure is being produced.

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.

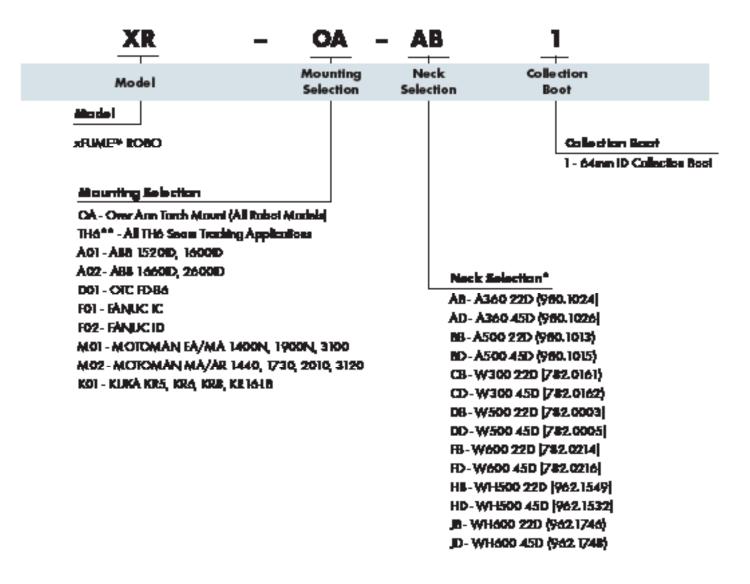
xFUME[®] Robo Through-Arm Replacement Parts

		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

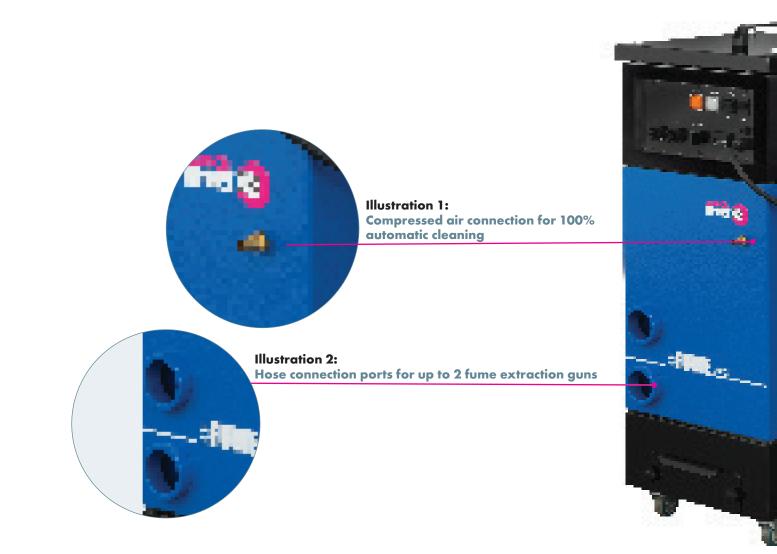


Illustration 1:

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

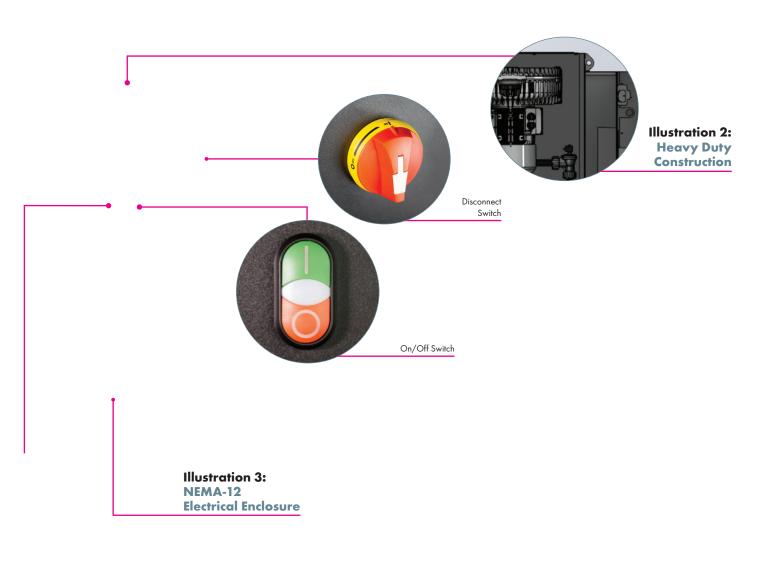


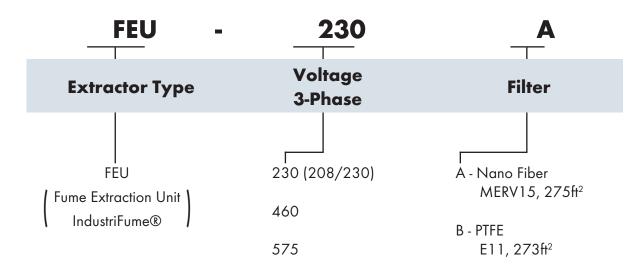
Illustration 3: NEMA-12 Electrical Enclosure

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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Notes



ABICOR BINZEL USA, Inc. 650 Medimmune Court, Suite 110 Frederick, MD 21703 Phone: 800.542.4867 Fax: 301.846.4497 E-Mail: customerservice@abicorusa.com

www.binzel-abicor.com