



XFUME[®] PRO

Lightweight Fume
Extraction MIG Guns



ABICOR
BINZEL[®] 

xFUME® PRO - Fume Extraction MIG Gun Features & Benefits

The xFUME® PRO is the next generation of source capture fume extraction MIG guns from ABICOR BINZEL. Improvements to the frontend design and internal components decrease the weight and increase flow, making this the lightest and most efficient xFUME® fume extraction gun yet. Added features such as a ball joint cable connection and extended trigger option provide even more comfort while welding.

The xFUME® PRO can reach its full power and efficiency in combination with a welding fume extraction unit, the xFUME® ADVANCED extraction system from ABICOR BINZEL.

Features & Benefits

- Optional short or long trigger
- Flow-optimized interior design
- Significantly improved ergonomics
- Reduced gas loss due to optimized front end
- 10% more power and 20% less weight compared to previous xFUME® MIG guns

Front End Shroud Options



xFUME® PRO - Fume Extraction MIG Gun Technical Data

Product-Specific MIG Gun Data According to EN 60974-7

Torch Type	Type of Cooling	Rating	Duty Cycle	Wire ø	
		CO2	M21		
xFUME® PRO 24	Air	270A	250A	60%	0.8 - 1.2mm (.030 - .045")
xFUME® PRO 36	Air	330A	300A	60%	0.8 - 1.2mm (.030 - .045")
xFUME® PRO 501	Liquid	500A	450A	100%	1.0 - 1.4mm (.040 - .052")



xFUME® PRO - Fume Extraction MIG Gun System Overview



Illustration 1: Two Fume Nozzle/Shroud Options

Our tapered shroud offers better accessibility with high flow in most welding applications. The reverse suction shroud offers optimal flow during out-of-position welding.

Illustration 2: 50° Neck Bend

Our research has found that a 50 - 60° neck bend maximizes flow and welder comfort for most welding positions.

Illustration 3: Two Trigger Options

The standard short trigger, and the extended trigger are available to suit your welding preferences and provide the most comfort while welding.

Illustration 4: Lightweight Handle

Our patented lightweight gun handle provides better flow, and less weight, while the rubberized grip allows for better handling of the gun.

Illustration 5: Ball Joint Cable Connection

The ball joint at the base of the handle allows the cable to move independently of the handle, taking some weight off of the wrist of the welder when articulating.

xFUME® PRO - Fume Extraction MIG Gun System Overview



Illustration 6: Hose Cover

Our durable, faux-leather cover protects the corrugated tubing underneath from spatter damage as well as preventing the hose from snagging on edges.

Illustration 7: Corrugated Hose

The corrugated hose itself is resistant to damage from bends, impacts, and will rebound when crushed or compressed.

Illustration 8: Y-Bend Connection

For optimal flow out the back of the torch, a Y-bend has been implemented. This creates little resistance as welding fume passes through it and has an easy, slip-on con-

Illustration 10: Multiple Feeder/Machine Connections

nection for the remainder of the fume extraction hose.

Illustration 9: Flexible Cable Support

The flexible cable support allows for more play in the torch while getting it into position.

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Illustration 10: Multiple Feeder/Machine Connections

As with all of our MIG guns, the xFUME PRO can be connected to any wire feeder/machine on the market by using our various connector kits and adapters.

xFUME® PRO - Fume Extraction MIG Gun Ordering Chart for Complete System

Ordering Instructions for Complete Torches

XP	3	15	H - 35	L	L	S		
Model	Amp	Cable Length	Fume Nozzle (Shroud)	Wire Size	Cable Type	Back End	Trigger	Custom Options
XP - xFUME® PRO								Custom 2 - 2" Longer
Amperage						Trigger		
2 - 270 Amp (Air-cooled)						S - Standard		
3 - 350 Amp (Air-cooled)						E - Extended		
5 - 500 Amp (Water-cooled)						Back End		
Cable Length						E - Euro		
15 - 15 Feet						HT - Tweco 4		
20 - 20 Feet						L - Lincoln Ext Gas		
25 - 25 Feet						L1 - Lincoln 10, 74 & 84 Series		
Fume Nozzle (Shroud)						L2 - Lincoln Power MIG		
H - High-flow Threaded Tapered (Standard)						M - Miller		
HR - High-flow Threaded Reverse Suction (350/500A only)						Cable Type		
HS - High - Flow - Threaded Tapered Steel (350/500A only)						L - Lightweight (Standard)		
						C - Full Copper (270+ 350A Only)		
						Wire Size		
						.035 Inches		
						.045 Inches		
						.052 Inches		
						.062 Inches (Water Cooled Only)		

Type

xFUME® PRO 24

xFUME® PRO 36/501

xFUME® PRO - Fume Extraction MIG Gun Consumables & Wear Parts

Nozzles

Type	xFUME® PRO 24	xFUME® PRO 36/501
Conical (Standard)	145.0880 (Ø12.5mm/Length 38mm)	145.0903 (Ø15.5mm/Length 38mm)
Cylindrical	145.0923 (Ø18mm/Length 38mm)	145.0911 (Ø19mm/Length 38mm)

Fume Nozzles/Shrouds

Type	xFUME® PRO 24	xFUME® PRO 36/501
Tapered (Aluminum)	600.0148.1	600.0140.1
Reverse Suction (Not Shown)	-	600.0147.1
Tapered (Steel)	-	600.0157.1

Contact Tips

E-Cu*	Ø .030"	140.0051	140.0114
	Ø .035"	140.0169	140.0214
	Ø .040"	140.0242	140.0313
	Ø .045"	140.0379	140.0442
	Ø .052"	-	140.0533
	Ø .062"	-	140.0587
CuCrZr	Ø .030"	140.0054	140.0117
	Ø .035"	140.0172	140.0217
	Ø .040"	140.0245	140.0316
	Ø .045"	140.0382	140.0445
	Ø .040"	-	140.1772 *
	Ø .045"	-	140.1773 *
	Ø .052"	-	140.0536
	Ø .062"	-	140.0590
Silver	Ø .030"	147.0054	147.0117
	Ø .035"	147.0172	147.0217
	Ø .040"	147.0245	147.0316
	Ø .045"	147.0382	147.0445
	Ø .052"	-	147.0536
	Ø .062"	-	147.0590

Tip Holder/Gas Diffuser

Type	xFUME® PRO 24	xFUME® PRO 36/501
	142.0308	142.0306

*Use only with 38mm long extended tips 140.1772 & 140.1773 contact tips

xFUME® PRO - Fume Extraction MIG Gun Consumables & Wear Parts

Spatter Protector

Type



xFUME® PRO 24

146.0091



xFUME® PRO 36/501

146.0093



Wire Liners for Steel

Liners for steel wires	xFUME® PRO 24	xFUME® PRO 36	xFUME® PRO 501
Insulated steel liner 17' .024"-.035"	124.0015	124.0015	-
Insulated steel liner 17' .035"-.045"	124.9042	124.9042	-
Insulated steel liner 17' .052"-.062"	-	124.9043	-
Uninsulated steel liner 17' .035"-.045"	-	-	SI-3545-17PT
Uninsulated steel liner 17' .052"-.062"	-	-	SI-5262-17PT



Liners for stainless wires	xFUME® PRO 24	xFUME® PRO 36	xFUME® PRO 501
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

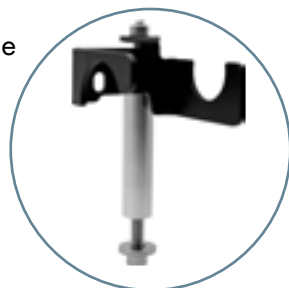
Note: For other wire types, contact customer support

Torch Mounts



Torch Mount W/ Out Magnetic Base (p/n 780.0932.1)

Secure the xFUME® PRO to your work surface between welds.



Magnetic Base Only (p/n 193.0023)

Magnetize and secure the xFUME® PRO with the Torch Mount and magnetic base.

xFUME® PRO - Fume Extraction MIG Gun Accessories

Anti-Spatter Ceramic Spray & Coating Cap



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



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

Ensure you're getting the proper gas flow at the nozzle. Measures 0-40 cfh.

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.

xFUME® PRO - Fume Extraction MIG Gun

Pair it with the xFUME® ADVANCED

To fully realize the performance benefits of the xFUME PRO, we recommend pairing it with our xFUME ADVANCED fume extraction vacuum systems.

Through optimum coordination between a high-vacuum system and a high-vacuum welding gun, we ensure highly efficient extraction directly at the source with a clear view of the arc. Our complete xFUME fume extraction product line easily integrates into your current welding operation.



xFUME ADVANCED Features & Benefits

- Particularly powerful thanks to high-vacuum technology with more than 18,000 Pa (115V)/24,000 Pa (230V) negative gauge pressure
- Highly efficient thanks to the cartridge filter, which filters out up to 99.5% of all dust > 0.1 µm
- Up to two work stations with one system for flexibility and efficiency
- Automatic start/stop via current clamp for reduced operating costs and less wear and tear
- Automatic filter cleaning by compressed air impulse



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