



XFUME[®] PRO

Lightweight Fume
Extraction MIG Guns



ABICOR
BINZEL[®]
LASER SYSTEMS



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

Illustration 4:
Lightweight Handle

Illustration 2:
50° Neck Bend

Illustration 5:
Ball Joint Cable Connection

Illustration 3:
Two Trigger Options

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

Illustration 10:
Multiple Feeder/Machine Connections

Illustration 7:
Corrugated Hose

Illustration 9:
Flexible Cable Support

Illustration 8:
Y-Bend Connection

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-

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.

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

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

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

Nozzles



Type	xFUME® PRO 24	xFUME® PRO 36/501
Conical (Standard)	145.0880 (Ø16/Length 38mm)	145.0903 (Ø19/Length 38mm)
Cylindrical	-	145.0911 (Ø26/Length 38mm)
Long	-	317.0458* (Ø15.5/Length 55.5mm)

*Use only with 140.1772 & 140.1773 contact tips

Fume Nozzles/Shrouds



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

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

xFUME® PRO - Fume Extraction MIG Gun

Consumables & Wear Parts



Spatter Protector

Type	xFUME® PRO 24	xFUME® PRO 36/501
	146.0091	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"	-	-	122.9057
Uninsulated steel liner 17' .052"-.062"	-	-	122.9058



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

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

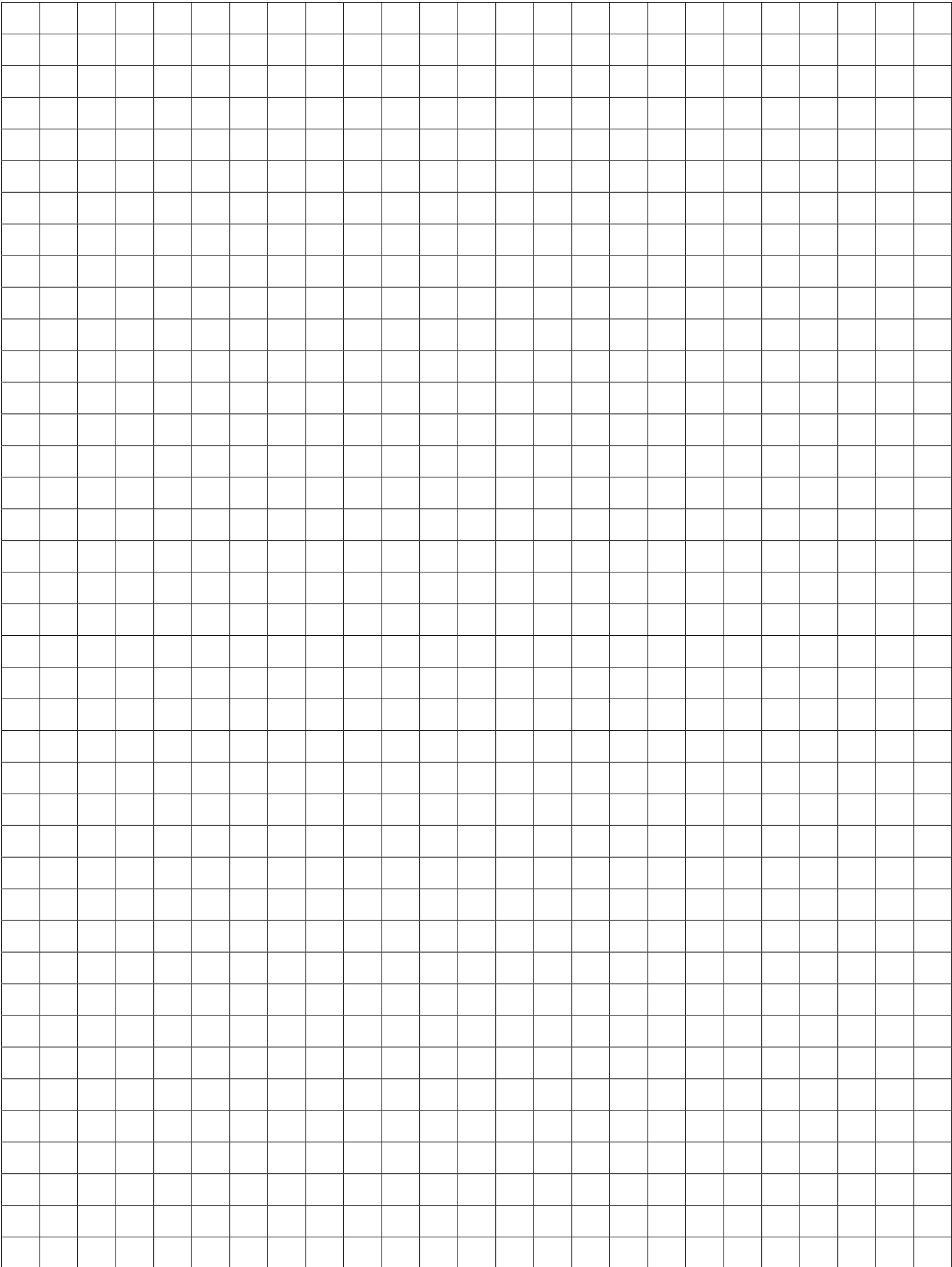
To fully realize the performance benefits of the xFUME PRO, we recommend pairing it with our xFUME ADVANCED fume extraction vacuum systems.

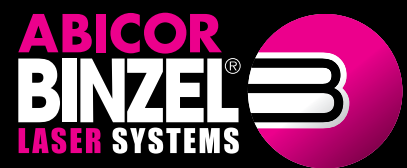
Through optimum coordination between a high-vacuum system and a high-vacuum welding gun, we ensure highly efficient extraction directly at the source with a clear view of the arc. Our complete xFUME fume extraction product line easily integrates into your current welding operation.



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
- Up to two work stations with one system for flexibility and efficiency
- Automatic filter cleaning by compressed air impulse
- Highly efficient thanks to the cartridge filter, which filters out up to 99.5% of all dust > 0.1 µm
- Automatic start/stop via current clamp for reduced operating costs and less wear and tear





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