

Abicor Binzel xFUME™ Products



Panelists



Cody Miller, Product Manager



Etienne Blouin,
Director of Environmental
Health Systems



Overview of Discussion

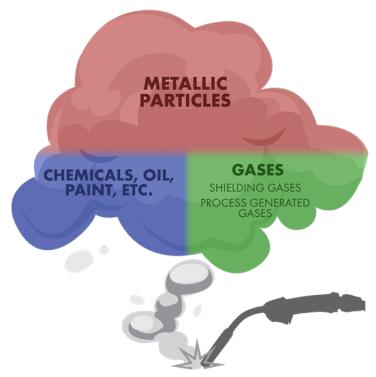
Abicor Binzel xFUMETM Manual Welding Product Line

- xFUMETM MIG Torches
- xFUMETM ADVANCED
- xFUMETM FLEX
- IndustriFumeTM





What is Welding Fume?





Why Do We Care?

Short Term Effects	Long Term Effects
Skins & Eye Irritation	Pulmonary Chronic Disease
Asthma	Nervous System Damage
Fume Fever	Kidney Damage
Poisoning	Cancer

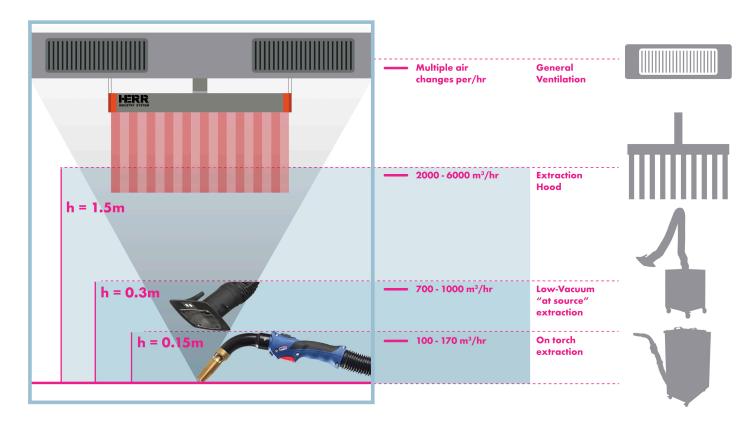


Classified as a Group 1 Carcinogen





Why Source Capture?





xfume™ Mig Torches

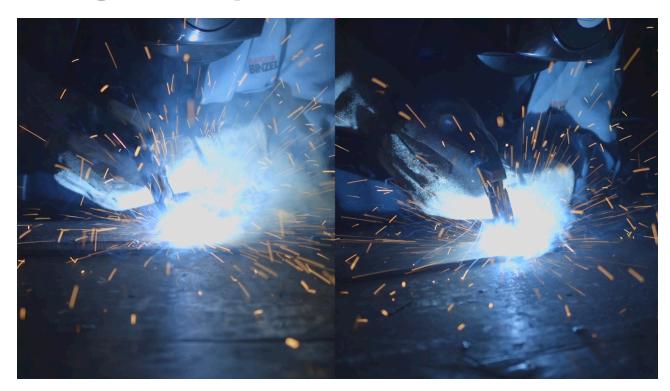
Outline

- Features and Benefits
- Detailed review
- Torch ratings and duty cycles
- Setup and performance
- Maintenance
- Training





Welding Fume Example





XFUME™ MIG Torches

xFUMETM Features and Benefits

- Premium MIG Welding Torch
- Top welding AND extraction performance
- Best in class for ergonomics
- Simple and Robust Design
- High Quality Binzel consumables





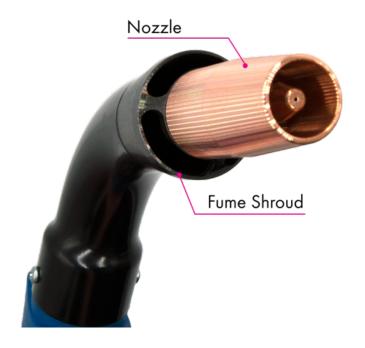
www.binzel-abicor.com

XFUME™ MIG Torches



www.binzel-abicor.com

Front End











Welding Source Fume Capture

Middle Section

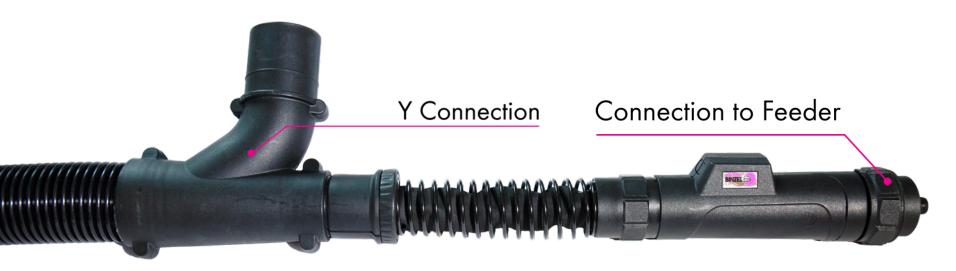






Back End

Y-Connection for better flow through the torch





Torch Rating & Duty Cycle

	Air-Cooled		Water-Cooled	
Rating	CO_2	Mixed Gases	CO ₂	Mixed Gases
	250A - 60% DC 300A - 60% DC	220A - 60% DC 270A - 60% DC	500A - 100% DC	450A - 100% DC

Further de-rated by 35% for pulsed arc



Easy Setup

- Connect to feeder
- Connect to vacuum
- Connect the shunt

Weld!





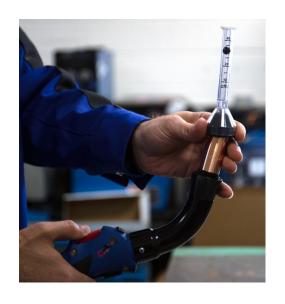








Performance

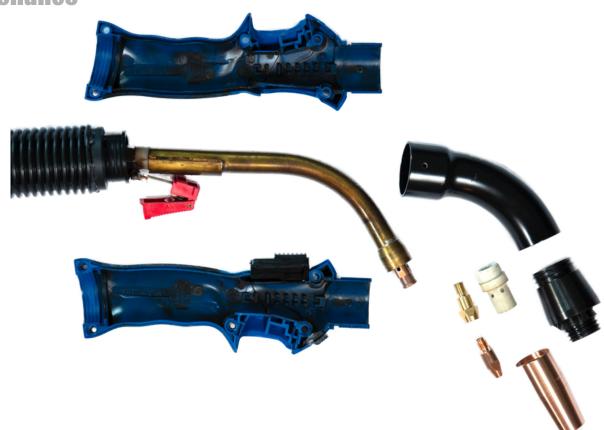








Maintenance





Training and Implementation





Fume Extraction Torch Fume Extraction System

Proper Training & Maintenance



XFUME™ ADVANCED

<u>Outline</u>

- Accessories
- Set-up
- Filters
- Air Flow
- Maintenance

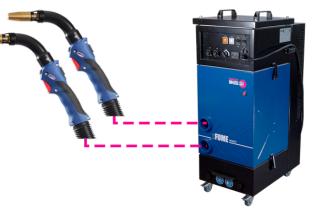
Ideally suited for xFUME™
Fume Extraction MIG Torches



ADVANCED 115V



ADVANCED HP 230V





XFUME™ ADVANCED

Standard Accessories

- 16' 45-mm Extraction Hose
- 1 Shunt
- Filter Wrench
- Manual
- 3/8" Industrial Quick Disconnect
- ADVANCED gets NEMA 5-20 Plug
- ADVANCED HP has flying leads









XFUME™ ADVANCED

Set-Up

- Locking Castors
- Air Supply
 - Ensure air supply is between 70-90psi
 and the air is clean/dry.
 - Use supplied 3/8" Industrial Quick
 Disconnect or larger
- User Controls





XFUME™ ADVANCED

Filter Performance

- Dual HiSTEC Filters
- PTFE Coated for improved surface loading
- EN1822:2009 HEPA H12 Rated: 99.5% @ 0.1-0.3μm
- Automatic Filter Cleaning

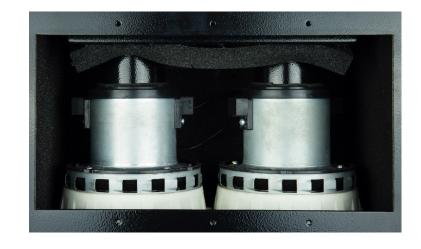




XFUME™ ADVANCED

Airflow Performance

- Adjustable Airflow knob
- Two Motors:
 - 115 V 2x0.8kw (1.07 HP)
 - 230 V HP 2x1.6kw (2.14 HP)
- 1 Gun vs. 2 Guns



	×FUME™ ADVANCED (115V)	xFUME™ ADVANCED (230V)
Max. airflow:	200 CFM (340 m ³ /h)	360 CFM (610 m ³ /h)
Connections:	2	2
Airflow Performance:	118 CFM @ 40in-H2O	150 CFM @ 60in-H2O



XFUME™ ADVANCED

Maintenance

- Dust Collection Tray
- Filter Changeout with provided wrench
- Motor Brush Changes









XFUME™ FLEX

Outline

- Standard Options
- Filters and Air Flow
- When to use a FLEX





XFUME™ FLEX

- Extraction Arm Lengths
 - 6ft, 9ft, 12fft
- Airflow
 - 700 CFM using 1.1kw brushless vacuum motor
- 115 V/60 Hz Power only
- Locking Castors
- Suction hood with integrated LED light
- Filter Specs
 - HEPA class H13 Cassette Style Filter
 - 99.95% @ 0.1 0.3µm
 - Simple rapid filter changes







XFUME™ FLEX

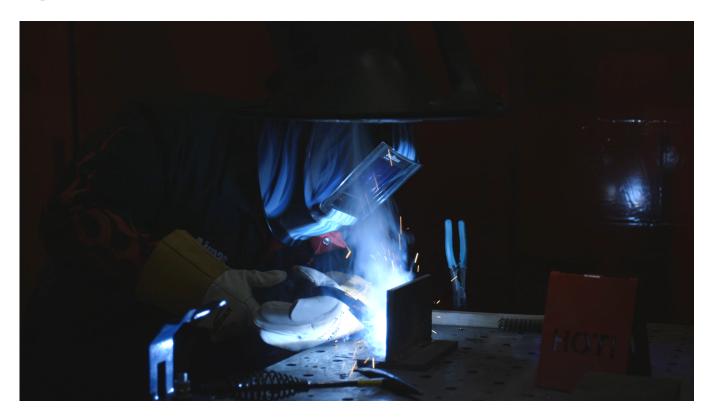
When to use a FLEX unit...

- TIG, Stick, and Aluminum.
- Tube welding on all positions
- Pair with existing, non-source capture, MIG torches





XFUME™ FLEX





IndustriFume™

Outline

- Features and Benefits
- Ordering and Accessories
- Set-up
- Maintenance





IndustriFume™

Features and Benefits

- Ideally suited for xFUME™ Extraction MIG Torches
- Fits 4 to 6 welders*
- Powerful 28HP motor and sturdy design
- Up to 99.9%* filtration of welding fumes
- Automatic filter cleaning
- Variable Frequency Drives provides unique control
- Efficient operation with automatic Start/Stop/ Sleep using the Economizer™ shunt
- Replaceable spark arrestor
- ...Stay tuned for "Clean Cell Technology™"

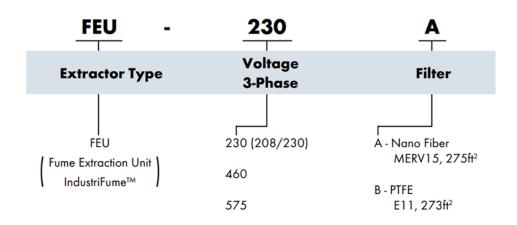




IndustriFume™

Ordering and Standard Accessories

Ordering Chart



Accessories

- 1 Economizer ™ Shunt
- 5" plate for Hard Ducting
- Replaceable Spark Arrestor
- Filter Cartridge



IndustriFume™

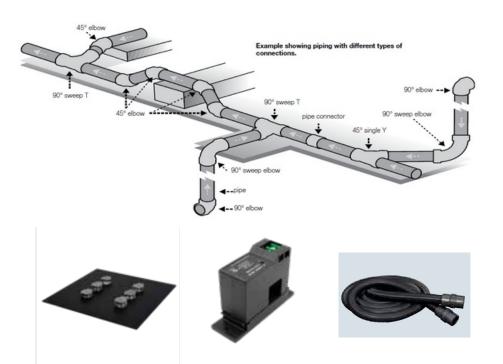
<u>Setup</u>

- Electrical
- Compressed Air
- Ducting or flex hoses (opt)
- 1 Shunt

Ready to start, pre-programmed









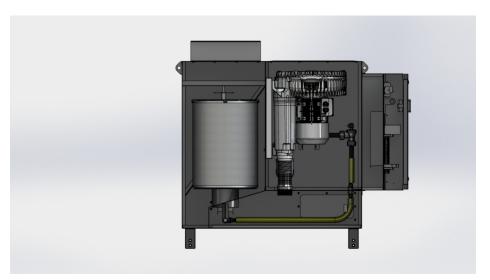
IndustriFume™

Maintenance

- Catch Basin
- Filter Life
- Optional HEPA









Overview



Next up... The Clean Cell Technology™

Robotic Source Capture – Fume Extraction with Pat.Pend. xFUMETM ROBO

Webinar Date and Time: Wednesday, October 21st - 1:00 PM EST









Questions?



Contact usWe'd Love to Hear From You



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