

xFUME® fume extraction systems



xFUME® ADVANCED

The mobile fume extraction system for up to two adjacent manual workplaces. Optimal for selective fume extraction according to regulations.

xFUME® FLEX

Excellent for mobile use at changing manual workplaces. This mobile all-rounder can be easily connected to the power socket.



xFUME® ADVANCED: The powerful one for extraction at the source



Technical data

Max. air flow:	~ 340 m ³ /h
Connections:	2
Connection diameter:	60 mm
Max. vacuum:	~ 16,000 Pa
Noise level:	≤ 68 dB (A)
Voltage:	115 V, 50/60 Hz 230 V, 50/60 Hz
Motor power:	2 x 0.8 kW
Filter effectivity:	≥ 99.95 %
Cleaning:	Automatic
Automatic start/stop:	Yes
Adjustable airflow:	Yes
Weight:	40.0 kg
Dimensions:	370 x 370 x 940 mm

With this fume extraction system you are on the safe side in terms of occupational health and safety. The xFUME® ADVANCED is a powerful welding fume extraction system for use with a fume extraction torch. The used filter absorbs up to 99.95% of all particles > 0.1 µm efficiently and reliably without affecting the shielding gas coverage. This extraction system can display all its skills in combination with an xFUME® COMPACT or xFUME® PRO fume extraction torch.

Easiest handling

Up to two extraction torches can be connected to the xFUME® ADVANCED, each of which can be controlled independently of the other. The high extraction capacity is guaranteed by two infinitely adjustable 0.8 kW motors with over 16,000 Pa. Filter cleaning is 100% automated, which means that downtime due to cleaning intervals is eliminated.

If you want to establish extraction at the source in your production, the xFUME® ADVANCED together with an xFUME® fume extraction torch from ABICOR BINZEL is the perfect complete system for clean air at the welding workstation.



xFUME® ADVANCED at a glance:

- The filter detects up to 99.95% of all dust particles > 0.1 µm
- Robust design and at the same time maximum mobility
- Automatic, highly efficient filter cleaning saves time and provides security
- Two infinitely adjustable 0.8 kW motors for two welding workstations
- Automatic start-stop system reduces wear and keeps operating costs low
- Slim design facilitates even hard-to-reach welding applications

Fume extraction system xFUME® ADVANCED / W3

The powerful one for extraction at the source

With this welding fume extraction system, you are on the safe side in terms of health and safety at work. The xFUME® ADVANCED is a powerful welding fume extraction system for use with a welding fume extraction torch. The filter used efficiently and reliably captures up to 99.95% of all particles > 0.1 µm without affecting the shielding gas coverage. In combination with an xFUME® COMPACT or xFUME® PRO welding fume extraction torch, this extraction system can show off its full capabilities. If stainless steels and other alloys need to be welded, the xFUME® ADVANCED W3, together with the xFUME® TIG extraction torch, ensures the safe extraction of highly harmful fumes from chromium-nickel compounds.

Up to two extraction torches can be connected to the xFUME® ADVANCED, each can be controlled independently of the other. The high extraction

performance is guaranteed by two infinitely variable 0.8 kW motors with more than 16,000 PA. Filter cleaning is 100% automated, which means: no downtime due to cleaning intervals.

- The filter captures up to 99.95% of all dusts > 0.1 µm
- Automatic, highly efficient filter cleaning saves time and provides safety
- Automatic start-stop feature reduces wear and keeps operating costs low
- Robust construction and highest mobility at the same time
- Slim design facilitates even hard-to-reach welding applications
- Two infinitely variable 0.8 kW motors for two welding workstations



xFUME® ADVANCED EU version

Max. airflow:	~ 260 m ³ /h
Max. vacuum:	~ 16,000 PA
Noise level:	≤ 72 dB (A)
Voltage:	115 V 50/60 Hz 230 V 50/60 Hz
Motor power:	2 x 0.8 kW
Filter efficiency:	≥ 99.95%

xFUME® ADVANCED W3

Max. airflow:	~ 260 m ³ /h
Max. vacuum:	~ 16,000 PA
Noise level:	≤ 72 dB (A)
Voltage:	115 V 50/60 Hz 230 V 50/60 Hz
Motor power:	2 x 0.8 kW
Filter efficiency:	≥ 99%

Type	Description	Part-No.
xFUME® ADVANCED EU version	115 V, 50/60Hz	601.0233.1
xFUME® ADVANCED EU version	230 V, 50/60Hz	601.0192.1
xFUME® ADVANCED W3	115 V, 50/60Hz	601.0139.1
xFUME® ADVANCED W3	230 V, 50/60Hz	601.0138.1

Wear parts and accessories



Pos.	Description	Part-No.
1	Carbon brush set 115 V	601.0118.1
	Carbon brush set 230 V	601.0108.1
2	Motor 115 V	601.0110.1
	Motor 230 V	601.0109.1
3	Filter cartridge	601.0111.1
4	Extraction hose complete	601.0117.1
5	Connection sleeve	601.0116.1
6	Current clamp cpl. 1.5 m	601.0041.1
	Current clamp cpl. 5 m	601.0277.1
not. fig.	Star knob screw set	601.0115.1
not. fig.	Fuse holder	601.0150.1
not. fig.	Hour meter	601.0151.1
not. fig.	Potentiometer with knob 115 V	601.0152.1
	Potentiometer with knob 230 V	601.0153.1
not. fig.	Socket 4-pole	601.0154.1
not. fig.	Differential pressure switch	601.0157.1
not. fig.	Cover	601.0114.1
not. fig.	Service LED	601.0146.1
not. fig.	Power LED	601.0147.1
not. fig.	On/off switch	601.0148.1
not. fig.	Auto/manual switch	601.0149.1
not. fig.	Y-adapter	601.0235.1
not. fig.	Acoustic signal transmitter*	601.0279.1
not. fig.	Dust collection bag*	601.0021.10

*for W3 version only



Fume extraction system xFUME® FLEX

The all-rounder talent in welding fume extraction

This flexible, mobile and versatile extraction unit provides efficient welding fume extraction at a manual welding workstation with a standard torch. Simply place the extraction hood with the flexible extraction arm above the welding process and the xFUME® FLEX captures the fumes. The extraction hood function absorbs any kind of harmful particles from the ambient air, including micro-particles from grinding and cutting work. The xFUME® FLEX extraction system is ideally suited for entry-level welding fume extraction, as the already existing welding torches can be used.

A powerful LED work light is also part of the standard equipment, as is the easily replaceable filter with an impressive filter surface of 36 m². This is up to three times larger than the filter surfaces of standard extraction systems on the market. Thus, the filter has a service life that is up to three times longer, which has a very positive effect on operating costs. If the extraction funnel of the xFUME® FLEX is positioned correctly, it absorbs up to 90% of the welding fumes.

- Ideally suited for entry-level extraction technology
- 3 times longer filter performance than standard extraction systems available on the market
- Extraction arm in 2, 3 or 4 m length facilitates precise positioning of the extraction hood
- Optimum illumination of the workpiece by LED working light
- Mobile design for easy transport between welding workplaces
- Easy connection to 230 or 115 volt power socket



xFUME® FLEX

Max. airflow:	~ 1,200 m ³ /h
Connections:	Extraction arm
Connection diameter:	-
Max. vacuum:	-
Noise level:	≤ 72 dB (A)
Voltage:	115 V 50/60 Hz 230 V 50/60 Hz
Motor power:	1.1 kW
Filter efficiency:	≥ 99.95%

Type	Description	Extraction arm length	Part-No.
xFUME® FLEX	115 V, 50 Hz	Extraction arm L = 2 m	601.0090.1
xFUME® FLEX	115 V, 50 Hz	Extraction arm L = 3 m	601.0091.1
xFUME® FLEX	115 V, 50 Hz	Extraction arm L = 4 m	601.0092.1
xFUME® FLEX	115 V, 60 Hz	Extraction arm L = 2 m	601.0093.1
xFUME® FLEX	115 V, 60 Hz	Extraction arm L = 3 m	601.0094.1
xFUME® FLEX	115 V, 60 Hz	Extraction arm L = 4 m	601.0095.1
xFUME® FLEX	230 V 50 Hz	Extraction arm L = 2 m	601.0096.1
xFUME® FLEX	230 V 50 Hz	Extraction arm L = 3 m	601.0097.1
xFUME® FLEX	230 V 50 Hz	Extraction arm L = 4 m	601.0098.1

Wear parts and accessories



Pos.	Description	Part-No.
1	Extraction hood with LED / grid	601.0168.1
2	Extraction arm 2 m, without hood	601.0165.1
	Extraction arm 3 m, without hood	601.0166.1
	Extraction arm 4 m, without hood	601.0167.1
3	Filter cassette	601.0112.1
not fig.	Extraction hose 2 m, with 2 x rubber	601.0170.1
	Extraction hose 3 m, with 2 x rubber	601.0171.1
	Extraction hose 4 m, with 2 x rubber	601.0172.1
not fig.	Pre-filter fleece	601.0119.10
not fig.	Metal pre-filter	601.0142.1
not fig.	Switch LED	601.0160.1
not fig.	Illuminant LED	601.0161.1
not fig.	Protective grid	601.0162.1

