

FENIX AIR – A FRESH BREATH IN INDUSTRY

2025 FUME EXTRACTION PRODUCT
PORTFOLIO





ABOUT US

FENIXIS Industrial Manufacturing, was founded in 2024 with the aim of ensuring **efficiency, sustainability, and safety** in production processes. With **over 8 years of industry experience**, we provide automation solutions specifically for the **welding industry**. We stand out in the sector with our products, including **rotators, column-boom systems, positioners, pipe turners, and monitoring systems**.

Thanks to our **strong electronic, software, and mechanical infrastructure**, we develop all our systems with **domestic and innovative technologies**, offering **customized solutions** for automation projects.

In addition, **fume extraction systems** that improve safety and air quality in production areas are a key part of our product portfolio. We design and manufacture these systems for both domestic and international markets.

With our expert team, we not only develop products but also provide **consulting services** to help companies make their production processes more **efficient and safe**.

Vision

To become a globally preferred leading brand by providing **innovative, efficient, and sustainable** solutions in the **welding and automation technologies**.

Mission

With our high-tech **domestic** automation systems and **industrial solutions**, we aim to increase **production efficiency**, prioritize **workplace safety**, and add value to our customers in the **welding industry**.

FENIX AIR FX1

SINGLE ARM – MOBILE FUME EXTRACTION UNIT

FENIX AIR FX1 Single Arm Mobile Fume Extraction Units offer a compact design that ensures clean and healthy air quality by removing harmful substances from **welding fumes** with an efficiency rate of **99.8%**. The mobile unit is equipped with replaceable filters, including a metal **G2 spark arrestor filter**, a **metal G4 fiber filter**, a **carbon odor-absorbing filter**, and an **H13 HEPA filtration system**. The **filter warning system** alerts the user when the filters are nearing full capacity, prompting maintenance or replacement. The **phase warning system** detects errors in phase sequence, preventing damage to the motor and filter. The **durable polyurethane hose** and the **360° rotating flexible arm** make the unit extremely versatile and user-friendly. The hood, equipped with airflow adjustment, enables the user to control the air volume for **optimal welding performance**. Thanks to its specialized insulation, the unit **operates quietly at 72 dB**, providing a **comfortable and noise-free working environment**.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Fan Motor Power	1.1 kW-2855 RPM
Mains Voltage	400V AC
Airflow Capacity (Maximum)*	3500 m³/h
Airflow (Suction)	3000 m³/h
1. Filter	Spark Arrestor Filter
2. Filter	G4 Fiber Filter
3. Filter**	Carbon Odor-Absorbing Filter
4. Filter	H13 Hepa Filter
Articulating Arm*	Single Arm - ø160 mm Polyurethane Hose L: 3.0 m
Body	Electrostatic Powder Coated Cold Rolled Steel (CRS)
Noise Level	72 db
Unit Dimensions (LxWxH)	670 x 670 x 950 mm
Unit Weight	116 kg

*Available in different configuration options based on needs.

**Optional equipment, must be specified at the time of order.

FENIX AIR FX2

DUAL ARM – MOBILE FUME EXTRACTION UNIT

FENIX AIR FX2 Dual Arm Mobile Fume Extraction Units provide **healthy and hygienic air quality** by removing **99.8%** of harmful substances found in **welding fumes**, thanks to their **compact structure** and integrated, replaceable filters.

The unit is equipped with a replaceable metal **G2 spark arrestor filter**, metal **G4 fiber filter**, **odor-absorbing carbon filter**, and **H13 HEPA filter system**.

A **filter warning system** notifies the user when filters reach maximum capacity, indicating the need for cleaning or replacement. The **phase warning system** detects phase sequence errors to protect the motor and filter components.

Its specially designed, durable **polyurethane hoses** and **360° rotatable articulating arms** make the unit highly practical. Each arm includes an adjustable airflow hood, allowing the operator to fine-tune the air volume for optimal welding performance.

Thanks to special insulation, it ensures a **quiet and comfortable working environment** with a noise level of just **72 dB**.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Fan Motor Power	1.1 kW-2855 RPM
Mains Voltage	400V AC
Airflow Capacity (Maximum)*	3500 m³/h
Airflow (Suction)	3000 m³/h
1. Filter	Spark Arrestor Filter
2. Filter	G4 Fiber Filter
3. Filter**	Carbon Odor-Absorbing Filter
4. Filter	H13 Hepa Filter
Articulating Arm1*	Dual Arm - ø160 mm Polyurethane Hose L: 3.0 m
Body	Electrostatic Powder Coated Cold Rolled Steel (CRS)
Noise Level	72 db
Unit Dimensions (LxWxH)	670 x 670 x 950 mm
Unit Weight	120 kg

*Available in different configuration options based on needs.

**Optional equipment, must be specified at the time of order.



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FENIX AIR FXS1

FIXED SINGLE-ARM DISPOSABLE FILTER FUME EXTRACTION UNIT

FENIX AIR FXS1 is a **compact and high-efficiency solution** designed to effectively filter fumes and airborne particles generated during welding operations. Its flexible articulated arm provides a wide range of motion, allowing easy positioning over different work points. The **fixed** mounting feature **saves space** and offers efficient use even in narrow work environments.

Ideal for controlling low to medium-density fume and dust emissions, the FXS1 helps maintain clean air quality in workshops and production areas. The **integrated disposable filter system** captures harmful fumes and particles produced during welding with high efficiency, supporting both worker health and environmental safety.

The **phase detection system** prevents motor and filter damage by identifying phase sequence errors. The specially designed durable **polyurethane hose and 360° rotatable articulated arm** enhance usability. The hood with adjustable airflow on the arm allows fine-tuning of suction power for optimized welding performance. Thanks to its special insulation, the unit operates **quietly at just 72 dB**, providing a **comfortable and noise-controlled working environment**.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Fan Motor Power	1.1 kW-2855 RPM
Mains Voltage	400V AC
Airflow Capacity (Maximum)*	3500 m³/h
Airflow (Suction)	3000 m³/h
1. Filter	Spark Arrestor Filter
2. Filter	G4 Fiber Filter
3. Filter**	Carbon Odor-Absorbing Filter
4. Filter	H13 Hepa Filter
Articulating Arm*	Single Arm - ø160 mm Polyurethane Hose L: 3.0 m
Body	Electrostatic Powder Coated Cold Rolled Steel (CRS)
Noise Level	72 db
Unit Dimensions (LxWxH)	670 x 670 x 950 mm
Unit Weight	116 kg

*Available in different configuration options based on needs.

**Optional equipment, must be specified at the time of order.

FENIX AIR FXS2

FIXED DUAL-ARM DISPOSABLE FILTER FUME EXTRACTION UNIT

FENIX AIR FXS2 is a **high-efficiency** unit designed to filter fumes and airborne particles from welding processes. Its **dual articulated arms** provide **wide reach and flexibility**, while fixed wall mounting saves floor space and fits neatly into any workspace.

Ideal for low to medium levels of fume and dust, FXS2 helps maintain clean, safe environments in industrial workshops. The **disposable filter system** effectively captures harmful particulates, improving air quality and protecting operator health.

The **phase detection system** prevents motor and filter damage by identifying incorrect phase sequences. **Durable polyurethane hoses** and **360° rotatable arms** ensure ease of use, while adjustable airflow hoods allow precise air control for better welding results.

Its insulated body keeps operation **quiet at just 72 dB**, promoting a more comfortable working environment.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Fan Motor Power	1.1 kW-2855 RPM
Mains Voltage	400V AC
Airflow Capacity (Maximum)*	3500 m³/h
Airflow (Suction)	3000 m³/h
1. Filter	Spark Arrestor Filter
2. Filter	G4 Fiber Filter
3. Filter**	Carbon Odor-Absorbing Filter
4. Filter	H13 Hepa Filter
Articulating Arm1*	Dual Arm - ø160 mm Polyurethane Hose L: 3.0 m
Body	Electrostatic Powder Coated Cold Rolled Steel (CRS)
Noise Level	72 db
Unit Dimensions (LxWxH)	670 x 670 x 950 mm
Unit Weight	120 kg

*Available in different configuration options based on needs.

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FENIX AIR F1

WALL-MOUNTED FUME EXTRACTION FAN WITH SINGLE ARTICULATED ARM

FENIX AIR F1 Fixed Single Articulated Arm Wall-Mounted Fume Extraction Fan offers effective removal of **smoke, gases, vapors, and light dust**, ensuring a clean air quality in the workspace. Its **compact wall-mounted structure** and **high-efficiency motor** optimize airflow and provide powerful suction performance, maximizing fume extraction. Designed for environments that **do not require filters**, this fixed unit can be easily directed to the desired location in the workspace using its flexible and **durable polyurethane hose**.

The articulated arms feature an airflow-adjustable hood, allowing the control of air volume for high-quality welding operations. Its **ergonomic design** saves space and offers easy operation in confined workshop areas. The hose length can be extended as needed to provide maximum reach and flexibility. With **reliable performance and long-lasting durability**, it is an ideal solution for industrial and commercial applications.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Motor Power(kw)	Air Flow (Max,m³/h)	Connection Diameter(mm)	Air Flow(Suction,m³/h)
0.75	2500	160	2250
1.1	3000	160	2750
1.5	3500	160	3250

FENIX AIR F2

WALL-MOUNTED FUME EXTRACTION FAN WITH DUAL ARTICULATED ARM

FENIX AIR F2 Dual Articulated Arm Wall-Mounted Fume Extraction Fan offers maximum reach and flexibility across a **wide working area** with its two movable arms. Its **compact wall-mounted design, combined with a high-efficiency motor**, ensures effective extraction of **smoke, gases, vapors, and light dust**.

The optimized dual-arm airflow system, along with strong suction performance, **maximizes fume extraction**. Specifically designed for use in environments where filtration is not required, this fixed unit can be easily directed to the smoke source using its flexible and **durable polyurethane hoses**. The articulated arms feature an airflow-adjustable hood, allowing precise control of air intake for high-quality welding operations.

With its ergonomic design that **saves space**, the unit is ideal for workshops and production areas with limited space. The FENIX AIR F2 Dual Articulated Arm model is the ideal solution for professionals seeking high efficiency in industrial and **commercial applications, thanks to its reliable performance, long-lasting durability, and wide coverage**.



8 YEARS OF
EXPERIENCE



TECHNICAL DETAILS

Motor Power(kw)	Air Flow (Max,m³/h)	Connection Diameter(mm)	Air Flow(Suction,m³/h)
0.75	2500	160	2000
1.1	3000	160	2500
1.5	3500	160	3000



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FENIX AIR M1

MOBILE FUME EXTRACTION FAN

The **FENIX AIR M1 Mobile Fume Extraction Fan** offers an effective solution for industrial environments with high levels of smoke and dust generation. Optimized for **fume extraction, particularly during welding operations**, this fan performs excellently in areas where no filtration is required. It efficiently captures **smoke, gases, vapors, and light dust, ensuring clean air** in the workspace.

Thanks to its wheeled design, the fan is **easy to move, and its flexible suction hose can be directed and fixed at the desired point**. The **magnetic connection** feature provides operational flexibility and convenience during use. With a durable body and high airflow capacity, the FENIX AIR M1 Mobile Fume Extraction Fan ensures reliable and efficient performance, even in challenging working conditions.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Motor Power(kw)	Air Flow (Max,m ³ /h)	Connection Diameter(mm)	Air Flow(Suction,m ³ /h)
1.1	3000	160	2500
1.5	3500	160	3000



FENIX AIR AC

ARTICULATED ARMS

The **FENIXIS AC Articulated Arm** model is a modern, user-friendly solution designed to efficiently capture dust, **smoke, and gases** in industrial environments. Its **ergonomic design** and high-quality materials make it ideal for applications such as welding, laboratory work, **chemical production, and dusty environments**.

With a reach of **3-4 meters and a 160 mm diameter**, the articulated arm offers a wide range of movement, and its internal hinged structure allows for easy positioning. Supported by a hydraulic system, the **mechanism provides long-lasting, stable, and quiet operation**.

The high-temperature resistant **polyurethane pipes and powder-coated** metal hoods ensure durability and longevity. With an airflow capacity ranging from **500 to 2100 m³/h**, it efficiently removes harmful particles and gases, safeguarding worker health and providing a secure working environment. The AC Articulated Arm is suitable for a **wide range** of applications in various industries.



8 YEARS OF
EXPERIENCE

TECHNICAL DETAILS

Product Description	AC Articulated Arm
Articulating Arm Length	3-4 m
Articulating Arm Diameter	160 mm
Maximum Suction Flow	500-2100 m ³ /h
Pressure Loss	200-450 Pa
Pipe Material Type	High heat resistant polyurethane
Fume Hood Material Type	Oven-painted metal
Hinge Type	Internal hinge system
Damper	Yes
Flexible Material Type	Hydraulic
Application Areas	Dust-Smoke-Gas



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