

PLYMVENT®

clean air at work



DRAFTMAX

Downdraft and backdraft workbench
extracts fumes and dust effectively



DO YOU REMOVE WELDING FUMES AND GRINDING DUST EFFECTIVELY?

We do. Proper extraction and filtration of fumes and dust in a welding school or workshop significantly contributes to a better work environment. Whether you extract welding fumes at the source, through downdraft or backdraft workbenches, extraction hoods or a general ventilation and filtration system, you always need to be in control.

Plymovent has 40 years of experience, specialising in the extraction and filtration of welding fumes. We offer high-quality systems that remove welding fumes and dust directly from the breathing zone of the welder and keep the background concentration levels within the legal limits, in accordance with international guidelines.

All our extraction and filtration products are designed for the metalworking industry to protect the welders and people working nearby. The result: better work performance, increased productivity and less absence due to illness.

Plymovent's downdraft and backdraft workbench, DraftMax, is a safe and effective workplace. It is a combination of a workbench and an extraction/filtration system. The compact unit can be placed inside a welding booth, but also in a corner or connected to ductwork. It is suited for many applications, like welding, grinding and plasma cutting.

HOW DOES IT WORK?

The extraction system removes fumes and dust directly from the breathing zone of the welder through the working surface and/or optional backdraft panel. The backdraft kit is highly recommended if working with a heat source, like stainless steel. In this case fast-rising welding fumes can only be captured effectively by a downdraft and backdraft combination. The three-way spark arrester underneath the work surface ensures safety by preventing sparks from reaching the filter cartridges.

Inside the unit, filtration takes place through two oval filter cartridges with a total filter surface of 52 m². They cover a large filter surface, resulting in a long filter lifespan. This means less maintenance and it reduces all-over operational costs.

A HEPA kit can be added if recirculation is allowed (depending on local regulations). Recirculation reduces the need for ventilation with outside air. Expensively heated or cooled air stays in the workshop, reducing both general and technical costs and the impact of operations on the environment.

EASY TO OPERATE

The DraftMax was developed with user-friendliness in mind. Service and maintenance, like filter replacement and emptying the dust tray can be done from the front.

PLUG & PLAY MODELS

■ DraftMax Basic

This unit is recommended for light to moderate welding and grinding activities. With the large filter surface, the filter's efficiency is high and operational costs are low.

■ DraftMax Ultra

This unit is similar to the DraftMax Basic. In addition, cleaning starts automatically as soon as the fan is switched off. It also offers the possibility of an automatic start/stop device making the unit even easier to operate. This unit monitors the compressed air and pressure difference permanently to ensure optimum extraction.

SYSTEM SOLUTION

■ DraftMax Eco

This model features the integrated spark arrester, but no filter cartridges. DraftMax Eco is suited for ductwork. It has to be connected to an external fan and filtration system, such as Plymovent's SCS or MDB filtration unit.



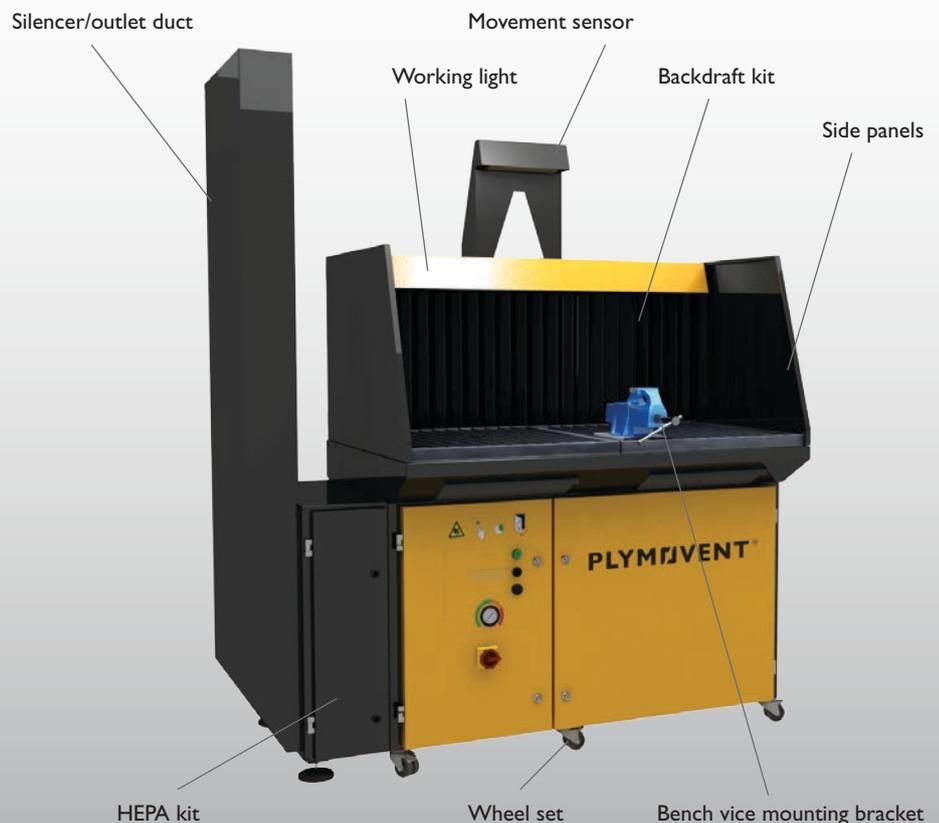
FEATURES

- Safe: three-way spark arrester.
- Effective: powerful extraction including integrated fan.
- Efficient: large filter surface and long filter lifespan.
- Maintenance-friendly: can be carried out from the front.
- User-friendly operation.
- Low noise level: options down to 67 dB(A).
- D downdraft and optional backdraft for fast-rising fumes, such as welding fumes.

CODE COMPLIANT

The DraftMax Basic and Ultra units in combination with the optional HEPA kit are IFA W3 certified according to the European standard DIN EN ISO 15012-1 (2005). Welding fume class W3 confirms that certified DraftMax units are recommended for the separation of particles generated by welding of high-alloyed steel with a nickel and chromium content > 30%.

A combination of options can improve the extraction effectiveness of the DraftMax according to your needs. Due to local regulations some options are compulsory. For recommendations and advice, please contact Plymovent.



Options not shown: back panel, plasma cutting work grid, outlet connection plate, welding cable sensor and dust-free kit.



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PLYMOVENT OFFERS TOTAL SOLUTIONS FOR AIR CLEANING

In addition to downdraft and backdraft workbenches, Plymovent also offers extraction arms, portable and mobile filter units, extraction hoods, fans and general ventilation and filtration systems to remove welding fumes in the metalworking industry.

Plymovent offers complete solutions for air cleaning. We have 40 years of experience in the extraction and filtration of welding fumes, grinding dust and oil mist in the metalworking industry. We are also specialists in the extraction of vehicle exhaust fumes and the removal of other impurities from indoor air.

FROM SCRATCH TO THE RIGHT SOLUTION

Plymovent is not just a manufacturer. We offer professional advice and engineering services to provide a solution tailored to your specific needs or requirements. In addition, we offer service and maintenance to keep your system functioning optimally.

For more information, please contact your authorised Plymovent distributor or visit our website.

Plymovent cares about the air you breathe. We offer products, systems and services which ensure clean air at work, anywhere in the world.

We respect the environment and we deliver high-quality products. Our expertise gained over many years and our genuine commitment to customer requirements enable us to provide precisely the solutions you need.