



WELDING SCHOOLS

Effective welding fume extraction
for welding schools



DO YOU PROTECT YOUR STUDENTS?

We do. Plymovent offers high quality products that not only protect your students but also your staff standing nearby. To ensure that they do not inhale any welding fumes, we offer a wide range of extraction and filtration systems, complete with technical support.

New welders are trained every day. At welding schools the emphasis often lies on personal protection equipment (PPE) such as welding helmets, gloves and hearing protection. Yet the quality of the indoor air is also extremely important. Inhaling welding fumes is a health hazard for the students.

WHY WELDING FUME EXTRACTION?

Because schools have a responsibility to set an example, this makes it even more important that welding and grinding work take place in a room where air contamination levels are kept below the legal limits. It is important to protect trainee welders, other students, teachers and equipment from welding fumes and dust, produced during welding and grinding work.

SOLUTIONS FOR ELIMINATION OF WELDING FUMES

Welding fumes and grinding dust are produced during welding and grinding activities. To ensure that the quantities of welding fumes and grinding dust remain below the legal limits, a high quality extraction system with effective filtration is a necessity. Plymovent is the specialist when it comes to capturing and filtering out welding fumes and grinding dust. The professional products in the Plymovent product line have proved their effectiveness in environments such as welding schools for over 40 years. Plymovent offers:

- extraction mounted on the welding gun.
- extraction using mobile welding fume extractors that can move freely throughout the training room.
- source extraction in welding booths.

PLUG & PLAY OR A COMPREHENSIVE SOLUTION?

For effective extraction and filtration of welding fumes at welding schools Plymovent offers two solutions:

■ Plug & Play products or a comprehensive solution

Plug & Play products are mobile or portable welding fume extractors or welding tables with an integrated extraction and filtration system. A welding table can be placed in an unused corner of a class room. This is a good solution for a small room with just a few students. Another possibility is a comprehensive solution for the removal of welding fumes and grinding dust. A custom-made solution for your welding school, consisting of a combination of extraction arms, extraction tables, filters and fans. An ideal solution for multiple welding booths which are in a row or for fixed welding areas.

■ Install a new system or expand an existing one

If a welding school does not yet have an extraction and filtration system, a completely new system can be installed. If a welding school already has an extraction and/or filtration system, it is also possible to expand or replace this existing system. It is important for students to get their career off to a good start, without having to worry about the fumes and dust they may be breathing in. An advanced extraction and filtration system can even be a deciding factor that tips the balance in your favour when students are choosing which welding school to attend.



PHV, portable extractor



DraftMax, downdraft table



DualGo, fume extractor with two extraction arms

PLUG & PLAY PRODUCTS

Plymovent has three Plug & Play products in its range that are very simple to install.

The PHV is a portable, high-vacuum exhaust fume extractor that can be mounted to the welding gun. The PHV can also be combined with a flexible tube with magnetic base so it can be placed close to the welding process.

The second product is the extraction table. This is a welding table with an integrated filter that effectively draws welding fumes down and (optionally) to the rear - away from the student, and then filters the air.

The third Plug & Play product is the mobile welding fume extractor with integrated extraction arm. This mobile extraction unit is available in various models with a range of different extraction arms and can be easily rolled through the class room to the place where welding will be performed or to position it around large work-pieces.

TOTAL SOLUTION

Plymovent can also develop a comprehensive solution for your welding school. This solution is a combination of various Plymovent products. These may include extraction arms, fans, filters and extraction tables, which together form a comprehensive solution. An extraction table is a simple way to create an extra workplace. A multi-arm system can extract fumes from a row of welding booths. The advantage is that each arm can be independently positioned so it is located close to the source of the welding fumes. This system is custom-made for your welding school and is easy to operate. When the multi-arm system is controlled automatically, it also reduces energy consumption, resulting in faster recovery of investment costs. No matter which comprehensive solution we recommend, the result is always a perfectly functioning welding fume extraction system.



PLYMOVENT®

clean air at work *Since 1975*

Follow us on social media!



Plymovent Inc.

5655 Kennedy Road - Unit 1
Mississauga, ON L4Z 3E1
Canada

T +1 905 564 4748

F +1 905 564 4609

Air Exchange / Plymovent

495 Edison Ct Suite A
Fairfield, CA 94534
United States

T +1 800 300 2945

M +1 909 731 1907

Air Exchange / Plymovent

1141 E Philadelphia St
Ontario, CA 91761
United States

T +1 909 923 7952

F +1 707 864 2705

Plymovent Corp.

5 Corporate Dr
East Windsor, NJ 08512
United States

T +1 609 395 3500

F +1 609 655 0569

PLYMOVENT OFFERS TOTAL SOLUTIONS FOR AIR CLEANING

For over 45 years Plymovent has gained market leading experience in the field of air cleaning. We not only have extensive knowledge of the extraction and filtration of welding fumes and oil mist in metalworking industries, we are also specialised in the removal of vehicle exhaust fumes.

Your authorised Plymovent distributor: