



DINSE

+PlusLine HIGH-END FUME EXTRACTION TORCH

New!

New generation of DINSE fume extraction torches with premium welding technology:

Top-notch performance and cooling

- + Innovative, lightweight, durable, and ergonomic handle shell
- + Standard DINSE wear and spare parts
- + Standard DINSE extraction and conversion options

= **+PlusLine**

DIX MRZ 304.PLUS 500A
DIX MR 230.PLUS 300A

EXTREME **EFFICIENT**
EXTRACTION TECHNOLOGY.
EXTREMELY **LIGHTWEIGHT**.
EXTREMELY **ERGONOMIC**.



SCHWEISSEN

WELDING

SCHWEISSEN

WELDING

SCHWEISSEN

+PlusLine

**+ HIGHLY EFFICIENT
EXTRACTION**

**+ SEPARATE
INERT GAS
LINE**

**+ EXCELLENT
ACCESSIBILITY**

**+ LONG SERVICE LIFE
AND MAXIMUM
PRODUCTIVITY**

+ EFFICIENT COOLING

**+ HIGH PERFORMANCE
THANKS TO A HIGH
DUTY CYCLE**

MRZ 304.PLUS

MR 230.PLUS



DINSE PREMIUM QUALITY

The internal design of the DINSE PlusLine is based on the optimized torch technology of the 230 and 304 series. This guarantees proven DINSE premium quality while also allowing the use of the same consumables.

**+ MINIMAL
WEAR**

**+ DURABLE,
LOW-MAINTENANCE
AND SERVICE-FRIENDLY**

**+ CONSUMABLE
COMPATIBILITY**

MRZ 304.PLUS



liquid-cooled



500 A/60% DC



450 A/60% DC
(DIN EN 60 974 - 7)

WIRE DIAMETER

Ø 0,8 mm

Ø 1,6 mm

MR 230.PLUS



gas-cooled



300 A/60% DC



270 A/60% DC
(DIN EN 60 974 - 7)

WIRE DIAMETER

Ø 0,8 mm

Ø 1,2 mm

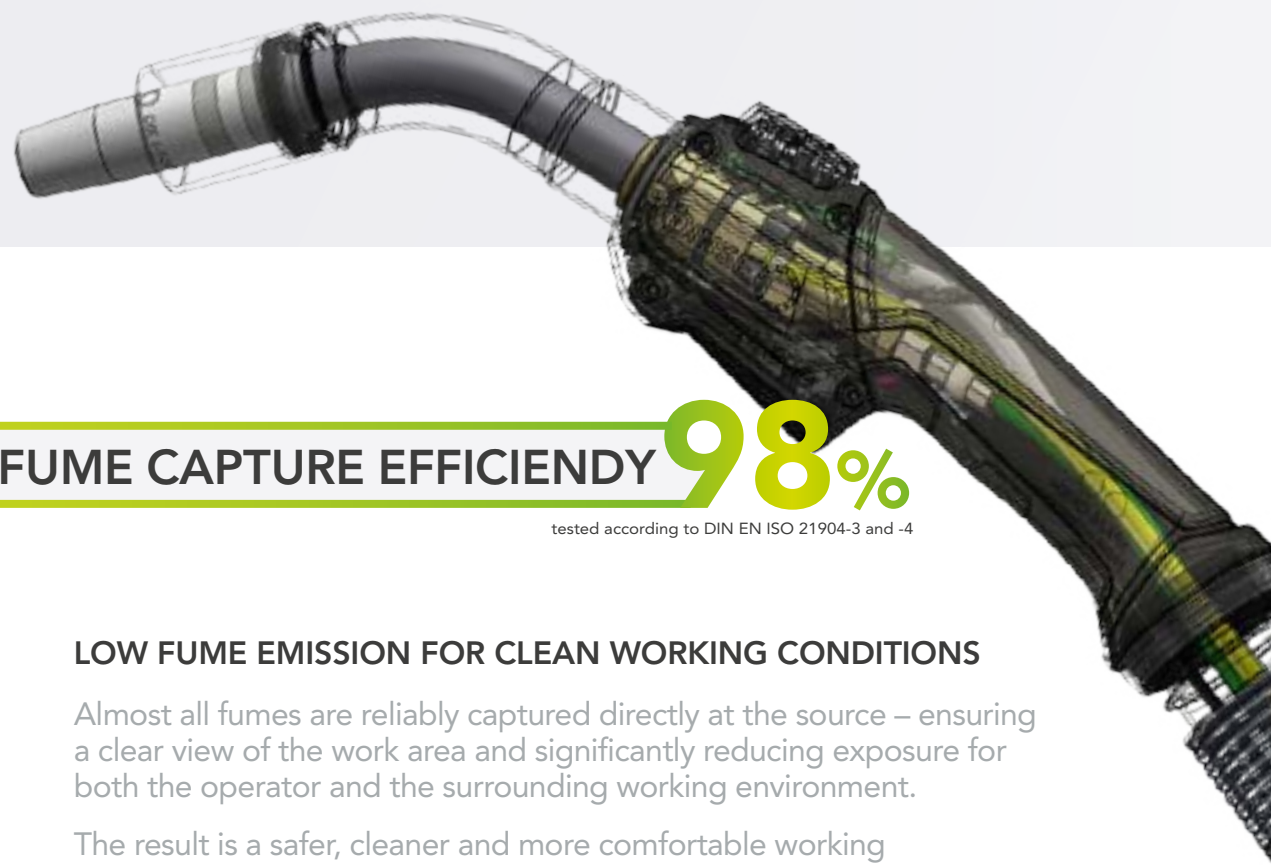
PREMIUM FUME EXTRACTION TECHNOLOGY

EFFICIENT FUME EXTRACTION WITH MINIMAL NEGATIVE PRESSURE

During the development of the PlusLine fume extraction torches, special focus was placed on significantly reducing fume generation and further advancing existing extraction technology.

The required minimum airflow is achieved even at low negative pressure levels. This allows the weight of the extraction torch to be reduced without compromising extraction performance. The result is comfortable handling, high efficiency and the familiar maneuverability of the torch.

For the user, this means noticeably less fatigue, improved control, reduced noise levels and a more comfortable working experience – even during extended periods of use.



FUME CAPTURE EFFICIENCY 98%
tested according to DIN EN ISO 21904-3 and -4

LOW FUME EMISSION FOR CLEAN WORKING CONDITIONS

Almost all fumes are reliably captured directly at the source – ensuring a clear view of the work area and significantly reducing exposure for both the operator and the surrounding working environment.

The result is a safer, cleaner and more comfortable working experience while requiring lower extraction performance – efficient, user-friendly and optimized for everyday operation.

AS COMPACT AND LIGHTWEIGHT AS A STANDARD TORCH

+PlusLine
 WITHOUT
 Fume extraction technology



+PlusLine
 WITH
 Fume extraction technology



OPTIMIZED WEIGHT

Only minimally heavier than the PlusLine without fume extraction technology

ONLY 2 MM DIFFERENCE

■ 2 mm in original size

DESPITE INTEGRATED FUME EXTRACTION TECHNOLOGY, THE TORCH OFFERS THE WEIGHT AND ERGONOMICS OF A STANDARD TORCH.

The handle shell of the fume extraction torches is only 2 mm thicker than the PlusLine models without extraction function. In terms of weight, the extraction torch is on par with standard torches and significantly lighter than comparable DINSE fume extraction torches.

This ensures natural handling, precise guidance and fatigue-free working – even during extended periods of use.

ERGONOMIC AT ITS BEST

During the development of the new PlusLine handle, special focus was placed on ergonomics with the goal of minimizing strain on the forearm, hand and fingers during the welding process.



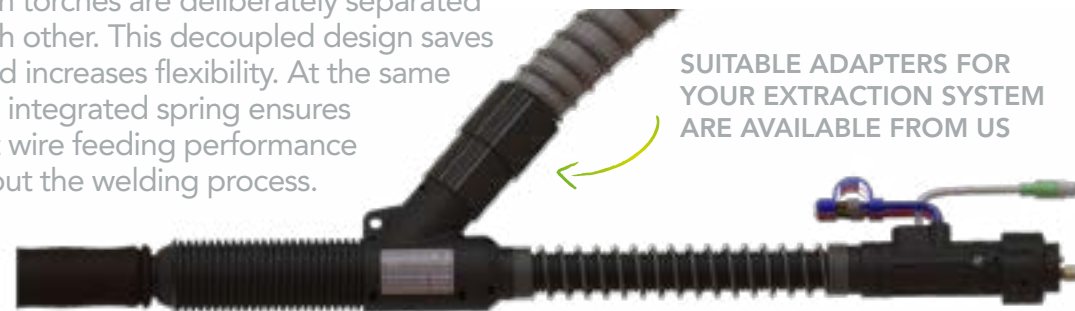
STRAIN ON THE FOREARM, HAND AND FINGERS IS MINIMIZED

At the same time, the torch was designed to fit comfortably in the hand in every holding position.

The fully flexible joint of the PlusLine enables outstanding handling in all directions and unrestricted movement around all axes – without compromising fume extraction performance.

THOUGHT THROUGH FROM FRONT TO BACK

The connector and Y-piece of the PlusLine fume extraction torches are deliberately separated from each other. This decoupled design saves space and increases flexibility. At the same time, the integrated spring ensures excellent wire feeding performance throughout the welding process.



SUITABLE ADAPTERS FOR YOUR EXTRACTION SYSTEM ARE AVAILABLE FROM US

ROTATABLE
Can be individually adapted to your workplace

STABLE, SPACE-SAVING AND FLEXIBLE
The integrated spring ensures reliable and consistent wire feeding.

INTEGRATED LED LIGHT IN THE HOUSING (OPTIONAL)

BYPASS-OPTION

VARIOUS BUTTON CONFIGURATIONS

HIGH OPERATING COMFORT THANKS TO THE ERGONOMIC DESIGN
the torch always fits perfectly in the hand – regardless of the holding position

EXTRA GRIP
thanks to additional button texturing

WELL-BALANCED DESIGN
the manual welding torch does not tip forward

EVEN MORE GRIP
enhanced grip thanks to the rubberized surface

CONVINCING DETAILS

Based on numerous tests with professional welders, we continuously refined, optimized and further developed the design – resulting in the innovative PlusLine handle.

Thoughtfully engineered details and modern design combined with outstanding fume extraction performance and highest quality – this is what defines the PlusLine torches.

MODERN DESIGN WITHOUT INTERFERING EDGES

VARIOUS POSITIONS WITH MINIMAL EFFORT
integrated ball joint for maximum freedom of movement

FLEXIBLE LEATHER HOSE FOR ENHANCED PROTECTION AGAINST DAMAGE

OPTIONAL

FLOW-OPTIMIZED GAS NOZZLE

**EXTRAORDINARY EXTRACTION PERFORMANCE.
MAXIMUM EFFICIENCY.**

Our optional flow-optimized gas nozzle provides increased extraction airflow. Fumes are captured directly at the source – for maximum performance and efficiency.

**MORE SPACE.
HIGHER AIRFLOW.**

Thanks to the flow-optimized gas nozzle



DINSE Standard gas nozzle

**ONE GAS NOZZLE. ALL APPLICATIONS.
UNCOMPROMISING PERFORMANCE AND EFFICIENCY.**

The flow-optimized gas nozzle is fully compatible with other PlusLine torches of the same series and can be replaced quickly and easily.

This eliminates the need to stock different gas nozzles – reducing effort and costs while simplifying handling in everyday operation.

INNOVATIVELY DESIGNED CONSUMABLES

COST-EFFICIENT REPAIRS AND APPLICATION-SPECIFIC UPGRADES

Outstanding cost-effectiveness is one of the key quality features that defines DINSE.

Individual components can be replaced separately in the event of wear, making the torch assemblies low-maintenance and service-friendly.

In addition, our manual welding torches can be individually adapted to specific requirements using a wide range of consumables and accessory components.

**THE PlusLine IS FULLY
COMPATIBLE WITH
ALL CONSUMABLES
FROM THE 304 AND
230 SERIES**



GASNOZZLES & GASDIFFUSERS

- ▶ Gas nozzles in various lengths and diameters to suit your requirements
- ▶ Robust trapezoidal thread for optimal heat transfer
- ▶ Easy gas nozzle replacement – even after extensive welding applications
- ▶ Laminar gas flow without turbulence thanks to the optimized gas diffuser geometry

CONTACT TIPS

- ▶ Perfect fit for optimal current transfer
- ▶ Selected alloy components minimize wear

CONNECTORS

- ▶ Available in both gas-cooled and liquid-cooled versions, the welding torches can be equipped with either a DINSE or Euro central connector

OPTIONAL

TAILORED TO YOUR APPLICATION

YOUR REQUIREMENTS. YOUR TORCH CONFIGURATION.

Every welding application requires a specific torch setup? Or would you like to clearly identify which manual welding torch assembly belongs to each member of your team?

With the customizable marking options of the PlusLine, this is no problem. The metal ring on the handle can be individually customized on request – just get in touch with us.

INDIVIDUAL
BRANDING
Personalize your
PlusLine metal ring



THE RIGHT TORCH FOR EVERY WELDING APPLICATION

The fume extraction torches can be customized to meet your individual requirements.

Five different control elements are available for the torch design.

Depending on the configuration, you can start the welding process via the upper button, adjust the welding current directly on the torch or switch between different welding programs during operation.

Any button can also be individually disabled on all variants.



STANDARD



2 BUTTONS



4 BUTTONS



TOP BUTTON 1T



TOP BUTTON 1TT

BYPASS OPTION

The optional bypass function allows precise adjustment of the extraction performance when using the fume extraction torch. By introducing additional air in a controlled manner, the suction effect directly at the welding point is regulated, preventing any disturbance of the shielding gas atmosphere. This enables the bypass option to combine targeted fume extraction with optimum process stability and consistently high weld quality.



MAXIMUM EFFICIENCY

The individually configurable torch buttons provide maximum operating comfort and give the user quick access to key functions.

The result: intuitive operation and efficient workflows.

Test it today!

Schedule an appointment
with your DINSE partner
today and experience it
for yourself.

DINSE Partner:



DINSE is your dependable partner for the entire welding process.
Contact us and schedule an appointment for consultation today.
Together with you we will find the best solution for your application.



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