



# Exento Set

External fume extraction set for TPS/i manual welding torches

# „Exento“ fume extraction set



- External fume extraction can be retrofitted
- Suitable for TPS/i **Standard, Multilock, PullMig** and **PullMig CMT with 45°** welding torches
- Suitable also for TPS/d welding torches (VS/TS/TPS)
- Weight of the FumeEx set is **only approx. 400g** in 1m height
- **Optional leather protection hose** available, length = 1,1m (38,0001,0115)

# Characteristics

**Optimally adjustable position** of the extraction canal

**Up/Down, Jobmaster,**  
trigger on the top  
possible

**Small, slip free, ergonomic handle**  
with soft components

**Special geometry** of  
extraction nozzle for  
perfect fume absorption

**Flexible hose pack** for  
better handling

**Steplessly adjustable**  
extraction nozzle

**LED-light** for illumination  
of the welding seam if extraction  
canal is on the top

**Thermally resistant**  
extraction hose  
up to 300°



# Why fume extraction welding torches?

- Because your health is important for us!
- Extraction of welding fume directly at the source (welding seam)
- Welder is protected from toxic fumes and ultrafine dust particles, which settle down in the alveolus.
- Protection of the environment

# Cost saving

- Smaller extraction volume necessary compared to hall or workplace extraction = **less energy costs**
- **Less gas consumption up to 50%** compared to competitor products
  - Optimized geometry of the extraction nozzle ensures that the protective gas cover is still optimal even with normal gas volumes.
- **Extraction nozzle and gas nozzle** are two separate components. In case of a change, the parts can be **replaced individually**.

# Comparison fume pollution

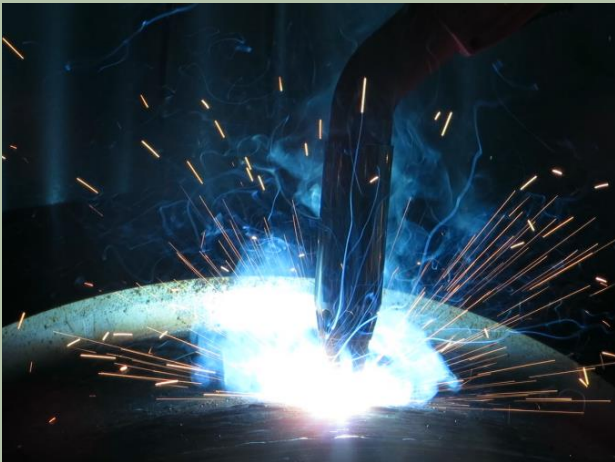
TPS/i Exento Set + welding torch - extraction switched on



TPS/i Exento Set + welding torch - extraction **switched off**



K4 fume extraction torch – extraction switched on



**Highlight**  
TPS/i FumeEx torches have a  
56% higher extraction performance  
compared to pre-version K4

# Function principle



- Defined, externally guided airflow
- Special geometry of extraction nozzle for perfect fume absorption without influencing the gas protection
- Better extraction performance due to external hose (no narrow spaces like in torch handle)
- Easy maintenance due to changeable hose
- Clean hose pack components and control elements, because airflow is external
- Also suitable for hollows due to stepless secondary air regulator

# Best accessibility

**... due to flexible, steplessly adjustable nozzle**

- Position of extraction nozzle can be adjusted optimally
- The nearer the extraction nozzle is placed at the welding position, the more fume is extracted.





# Best accessibility



**... due to optimally adjustable position of the extraction canal**

- 360° turnable extraction canal
- Extraction bow can be used as heat protection shield

# Better accessibility also for out of position welding

**... due to the possibility to change easily to a small torch body**

→ Unscrew Multilock torch body incl. Exento set

→ Install small Multilock torch body without Exento set

→ ... ready.

# Fume extraction hose



- For the most efficient extraction performance, keep the ø25 suction hose as short as possible!
- Following extraction hoses incl. connector are included:
  - 1m extraction hose NW 25
  - 5m extraction hose NW 38
- Connection to the Exento HighVac is included in the set

# Article numbers

	Article numbers	Suitable for the following torch body types
OPT/i Exento Medium /5m	44,0350,4077	MTG 320i / MTB 320i G ML MTW 400i / MTB 400i W ML MTW 500i / MTB 500i W ML
OPT/i Exento Small /5m	44,0350,4078	MTG 250i / MTB 250i G ML MTW 250i / MTB 250i W ML



Velcro fastener for fixing the fume extraction hose are included as standard.

# Exento HighVac

W3	EN ISO 21904-1 $\eta \geq 99\%$	W3
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## Filter quality

The extra large vertically mounted filter cartridge separates **99.9%** of the extracted **fine dust**.

## Intuitive one-button operation

Easy operation of the unit even with welding gloves

## Semi-automatic cleaning

The device warns when the filter is getting clogged – with the rotary/push knob the cleaning process will be started



## Constant extraction rate control

Automatic regulation of the air volume flow to the set value (e.g. 80m<sup>3</sup>/h)

## Perfect Match

Best performance with the Exento extraction set or Exento extraction torch

## Start-Stop automatic (optional)

**Saves time & energy** - Extraction only during the welding process



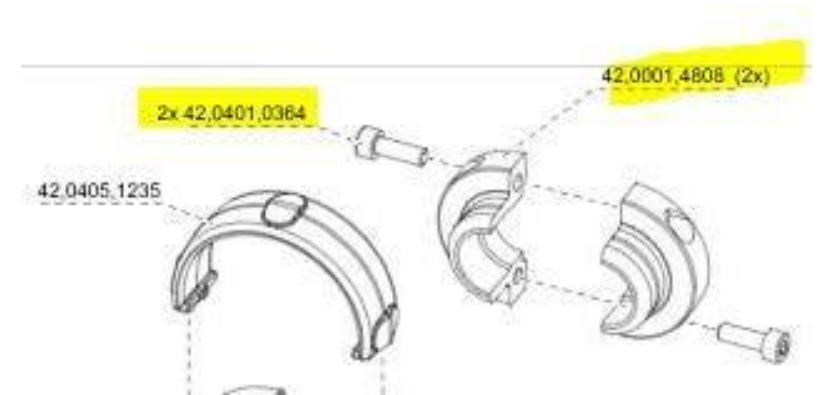
CE, UKCA, UL/CSA, CCC (not required)

[Link PowerPoint Presentation](#)

# Exento Set Robotics for manual welding torches/ machine welding torches

The Robotics Set can also be attached to Multilock or manual torch bodies.

- **Following parts must be ordered additionally.**
- 2 Stk. 42,0001,4808
- 2 Stk. 42,0401,0364





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