

Flexlite GF

GRIP ON SAFETY – AN EFFICIENT FUME EXTRACTION MIG
GUN SERIES





Flexlite GF



GRIP ON SAFETY – AN EFFICIENT FUME EXTRACTION MIG GUN SERIES

The **Flexlite GF** product series consists of several MIG/MAG welding guns with a fume extraction function. The efficient vacuum system extracts the welding fumes directly from the gun nozzle without disturbing the shielding gas flow, thus providing a safer and cleaner working environment for the welder as well as for others sharing the working environment.

The Flexlite GF fume extraction gun is available in water- and gas-cooled versions. All Flexlite GF fume extraction gun models offer Flexlite features for user comfort, welding efficiency, and extended consumable part life.

The Flexlite GF provides a safer working environment. The product series has been tested against the new **ISO 21904-3 standard**. This ensures a standardized way to prove the capture efficiency of the gun. The standardized welding gun is a safe and reliable tool for a welder's day-to-day work.

Excellent ergonomics and usability are distinguishing features of all Flexlite products. The detachable pistol grip handle and a well-balanced gun shape make the welding work smoother, meaning the gun is a delight to hold. The detachable pistol grip handle also makes the welding position more natural and ergonomic.

Fume-extraction guns are the only solution that removes welding fumes right at the source. As well as **maximum protection**, the Flexlite GF also results in premium welding work. With the help of a high-performance gun, the power source capacity is used efficiently, and spatters are minimized.



KEY BENEFITS



PROTECTION AT ITS BEST

Welding fumes are removed directly from the contaminant source, which means high-class protection not only for the welder, but to everyone around them.



WELDING OUTPERFORMED

Safety means excellent welding properties and reduced spatter.



HAPPY TO HOLD

Excellent ergonomics makes welding with the Flexlite GF a pleasure, and results in increased work quality and efficiency.

BENEFITS

- Fume extraction improves the safety of all people working in the vicinity
- It also protects fume-sensitive equipment in the workplace
- All fume extraction gun models and their extraction efficiencies have been measured according to new standard, ISO 21904-3
- According to Standard ISO 21904-3, 95% of welding fumes are removed from the air
- Gas-cooled and water-cooled versions available
- A detachable, ergonomic pistol grip handle is included in every product package
- The anatomically designed handle gives a firm grip
- An extremely lightweight gun and well-balanced gun shape make welding work easier
- Uses the same consumable parts as Flexlite GX MIG gun models
- Fewer consumables mean lower inventory costs
- Genuine Kemppi consumables guarantee a long lifetime
- All models are equipped with a QR code that takes you directly to relevant information



PRODUCT OPTIONS



GF 303G

300 A, Gas-cooled, 3.5m or 5m, EURO connector



GF 303W

300 A, Water-cooled, 3.5m or 5m, EURO connector



GF 403G

400 A, Gas-cooled, 3.5m or 5m, EURO connector



GF 403W

400 A, Water-cooled, 3.5m or 5m, EURO connector



FEATURES



Ergonomic handle design

An anatomically shaped handle with a firm grip. A modular trigger with few parts and simple wiring. The handle cover and trigger are quick and easy to change.



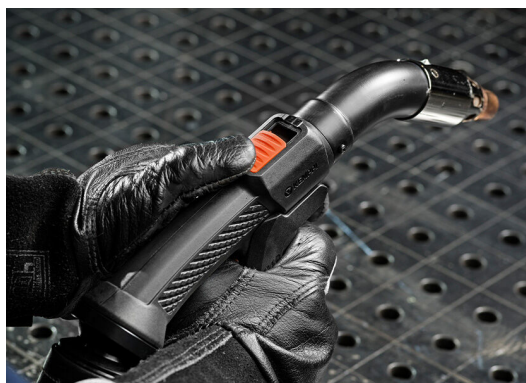
Less parts, lower costs

The number of changeable parts has been reduced by improving cross-matching across corresponding models, and by combining the functions of some of the consumables. This lowers inventory costs and makes the Flexlite perfect for workshop cost management.



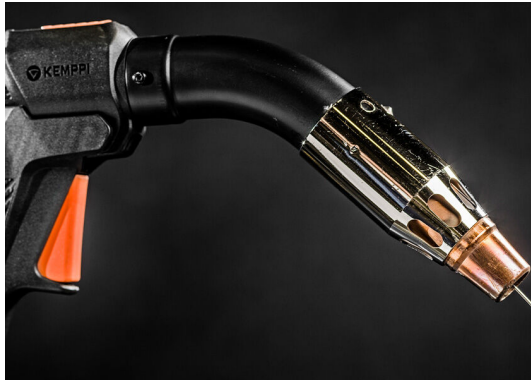
Pistol grip handle

The detachable pistol grip handle is available for all the models. It allows a natural wrist position, which makes working easier and more effortless, especially when doing long welds. It is quick to install without tools.



Adjustable vacuum flow

The airflow bypass valve allows quick and easy adjustment of the extraction airflow during welding. The valve is ergonomically placed at the gun handle.



Adjustable vacuum nozzle position

The vacuum nozzle can be adjusted to three set positions to regulate the fume extraction airflow. Always optimized fume extraction for your welding job.



Superb fume extraction unit connector

The connector has a flexible vacuum outlet which rotates freely 360°. This enables an easy connectivity to the fume extraction unit regardless of its placement. A leather cover for the vacuum hose is included as factory installed in the package. A leather cover can also be supplied as a spare part with a Velcro-type fastener for easy installation. Flexible hoses increase ergonomics.



Smart cable design

Flexible cable sets and ball-jointed cable protection reduce wrist torque, which makes the work easier and more effortless. The cable set features replaceable internal cables and hoses.



Contact tip adapter

The combined contact tip adapter and gas diffuser offer an improved gas shield with smooth laminar flow. The combination results in need for fewer consumables.



Contact tip M10

Improved heat transfer helps with cooling. The contact tip bore is made by drilling, as a drilled hole is more concentric and accurate, and enables better fillets. Contact tips are marked according to the filler wire diameter, bore clearance class, and contact tip material type.



ACCESSORIES



Flexlite GX/GF Gun Handle

Standard accessory included in all Flexlite GX/GF welding gun packages. Gun handle for MIG welding guns allows a natural wrist position.



Vacuum meter

A vacuum meter is a tool for the Flexlite GF fume extraction MIG gun to define the correct vacuum power without welding to defect. The vacuum meter is included in every standard package of Flexlite GF fume extraction guns.



Multitool

The multitool is designed to meet the most common maintenance needs for Flexlite MIG guns. The multitool is suitable for changing contact tips, wire liners, etc. It is included in every standard package of Flexlite MIG guns.



Gun necks

Gun neck carries the electrical current to the tip of the gun along with the shielding gas and cooling liquid. You can extend your welding gun lifetime by updating the neck.



MIG/MAG gas nozzles

Available as threaded or non-threaded and come in many different shapes and sizes for various applications. Available in copper material. Kemppi gas nozzles are easy to clean and change and provide better reachability for special applications (root passes, narrow gap).



Contact tips

Original Kemppi contact tips ensure optimized welding current transfer to filler wire. Kemppi LiFE+ contact tips last up to 5 times longer than standard copper tips, due to innovative alloying and hardening techniques. The LiFE+ core element retains its hardness and refined microstructure, even after elevated welding temperatures of 1000 °C.



Contact tips

Original Kemppi contact tips ensure optimized welding current transfer to filler wire. Kemppi contact tips are available for all wire materials in most common wire sizes from 0.6mm up to 1.6mm. Larger diameters up to 3.2mm are also available.



Contact tip adapters

Copper or brass contact tip adapters are available for all genuine Kemppi contact tips.



Wire liners

Kemppi wire liners are strong, durable and efficient, designed to suit specific filler wire materials and applications. Most of Kemppi's wire liners are color-coded the same way as the feed rolls in Kemppi wire feeders. This helps to select suitable material for your use. Kemppi liners support the filler wire and ensure its reliable delivery to the welding arc.



Wire guide tubes

Wire guide tube guides and focuses filler wire to the gun's wire liner when the wire moves from the wire feeder to the gun.



Vacuum nozzle

The vacuum nozzle collects fumes generated during welding and forwards them into the handle. Durable nickel plating.



Heavy duty gas nozzle

Heavy duty gas nozzles include nickel coating and a thicker wall structure. The nickel coating makes it easier to remove spatters. Greater wall thickness brings more durability, especially in a high amperage range and welding applications that require a long duty cycle.



Leather hose

The durable leather cover protects Flexlite GF's vacuum hose from spatters and hot objects. It is equipped with a Velcro-type sticker, enabling easy replacement.



TECHNICAL SPECIFICATIONS

SERIES 3 WELDING GUNS

GF 303G

Product code	GF303G35 (3.5m), GF303G5 (5m)
Load capacity, Ar + CO2 (35%)	300 A
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Gas
Welding process	MIG/MAG
Contact tip	M10
LED option	No
Remote control option	No

GF 303W

Product code	GF303W35 (3.5m), GF303W5 (5m)
Load capacity, Ar + CO2 (100%)	300 A
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Water
Welding process	MIG/MAG
Contact tip	M10
LED option	No
Remote control option	No

GF 403G

Product code	GF403G35 (3.5m), GF403G5 (5m)
Load capacity, Ar + CO2 (35%)	400 A
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Gas
Welding process	MIG/MAG
Contact tip	M10
LED option	No
Remote control option	No



GF 403W

Product code	GF403W35 (3.5m), GF403W5 (5m), GF403WCS5 (Carsat nozzle, Double Shut-off coupling, 5m)
Load capacity, Ar + CO2 (100%)	400 A
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Water
Welding process	MIG/MAG
Contact tip	M10
LED option	No
Remote control option	No

ACCESSORIES

Flexlite GX/GF Gun Handle

Product code	SP011820
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Vacuum meter

Product code	W021802
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Multitool

Description	For MIG guns
Product code	SP022843

Contact tips - Robotic welding guns

Description	Robotic welding guns
Product code	CuCrZr: W022083 , CONTACT TIP M8x30 0,8 CuCrZr W022084 , CONTACT TIP M8x30 0,9 CuCrZr W022085 , CONTACT TIP M8x30 1,0 CuCrZr W022086, CONTACT TIP M8x30 1,2 CuCrZr W022087 , CONTACT TIP M8x30 1,4 CuCrZr W022088, CONTACT TIP M8x30 1,6 CuCrZr E-Cu, Al: W022089, CONTACT TIP M8x30 1,0 mm Al W022090, CONTACT TIP M8x30 1,2 mm Al W022091, CONTACT TIP M8x30 1,4 mm Al W022092, CONTACT TIP M8x30 1,6 mm Al

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Kemppi is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

