

GAMMA GTH3

TOP LEVEL PERSONAL PROTECTION FOR PROFESSIONAL
WELDERS AND FABRICATORS



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TOP LEVEL PERSONAL PROTECTION FOR PROFESSIONAL WELDERS AND FABRICATORS

Gamma product range represents premium levels of personal protection for professional welders and fabricators. Gamma GTH3 respirator models meet the highest EU classification for respiratory performance (TH3) protecting you from 99.8 % of airborne fumes and particulate. Choose from either fast charging battery powered filter units, providing total independence of movement, or regulated supplied air models, connected to a breathing air source.

Designed from the user's perspective, Gamma GTH3 models include optimum vision performance and unique usability features including Axis regulation and GapView function. For low light working conditions XFA models integrate 70 lumen LED work lights, reaching new levels of safety and comfort for your welding life.

Gamma welder's respirators can lower PPE cost by up to 80 % when compared to separate PPE solutions where disposable welder's filter masks are used.



KEY BENEFITS



SAFETY FOR ALL PROCESSES

Designed for all arc welding, cutting, grinding, gouging and inspection processes.



PROTECTION FOR YOUR LUNGS

Respirator models meet the highest EU classification protecting you from 99.8 % of airborne fumes and particulate.



COMFORT AND USABILITY

Models include optimum vision performance and unique usability features including Axis regulation and GapView function.

BENEFITS

- 3 models with TH3-level battery powered blowing unit
- 2 models with a connection to a compressed air supply
- Heavy duty and standard duty batteries available
- Filters no less than 99.8 % of the airborne particles
- Positive pressure design makes breathing effortless
- LiFE+ Color ADF technology for added clarity of vision
- Easy ADF adjustment whilst wearing the helmet
- Integrated LED work lights in XFA models
- Magnifying lens option



PRODUCT OPTIONS



Gamma GTH3 PFA

Premium TH3 class respiratory protection, plus all the safety and comfort offered throughout the Gamma GTH3 product range. Gamma GTH3 PFA models include the PFU 210e battery powered filter unit and a passive welding lens.



Gamma GTH3 SFA

Premium TH3 class respiratory protection, plus all the safety and comfort offered throughout the Gamma GTH3 product range. Gamma GTH3 SFA models include the PFU 210e battery powered filter unit, and the automatic welding lens SA 60.



Gamma GTH3 XFA

Gamma GTH3 XFA offers top class safety and comfort with total freedom of movement. Even in the toughest working environments, Gamma GTH3 XFA is the ultimate welder's respirator, featuring class leading LiFE+ Color ADF, integrated LED work lights, fast charge Li-ion battery packs and all Gamma comfort features.



Gamma GTH3 PFA Airline

Gamma GTH3 PFA Airline features a passive welding lens. Connected to a certified breathing air source via an airline and belt-mounted regulator RSA 230, Gamma GTH3 Airline models provide an alternative to the battery powered systems.



Gamma GTH3 SFA Airline

Gamma GTH3 SFA Airline features the automatic welding lens SA 60 ADF. Connected to a certified breathing air source via an airline and belt-mounted regulator RSA 230, Gamma GTH3 Airline models provide an alternative to the battery powered systems.



FEATURES



LED work lights

Gamma GTH3 XFA features 70 lumen LED work lights, reaching new levels of safety and comfort for low light working conditions and powered directly from the rechargeable PAPR battery. Works lights can be switched on and off from the helmet mounted remote control.



Mounted ADF remote control

Inboard mounted ADF remote control for reliability and convenience. Remote control adjustment of the SA 60 or XA 74 automatic welding lenses features three silicon rubber selector switches. The large switches select parameter values up or down and the small switch selects either the parameter type, or a long press activates the work lights on the XFA model.



ComFlex headband

ComFlex headband offers comfort and flexibility for the perfect fit to your individual head shape and preferences. Even distribution of the suspended weight lowers pressure to sensitive areas of the head, minimizing fatigue and headgear related headaches.



GapView feature

GapView switch sets a clear view beneath the welding visor providing a narrow 15 mm gap and clear vision of the working area. Ideal for work piece setting and tacking prior to welding. An excellent feature with passive welding lens models and ADF equipped models, where adjacent welding arcs can trigger nuisance ADF activations.



ACCESSORIES



PFU 210e

Powered Filter Unit representing the highest level of filtration performance. PFU 210e is available with both Gamma GTH3 and Beta 90 SFA/XFA respirator systems. It offers selectable fan speeds of 160 lpm and 210 lpm (gas filter smart sense technology 160 lpm), battery and filter status indicators, and a choice of either standard duty or heavy-duty batteries.



RSA 230

Belt mounted supplied air regulator. It enables a controlled air flow to the welder's respirator head-top, and is supplied together with Gamma and Beta supplied air models. Features a replaceable silencer, decreasing audible airflow noise.



XA 74

Auto-darkening welding filter with a clear vision and large view. LiFE+ Color ADF technology provides greater clarity of vision, and remote control buttons make adjustment simple without taking the helmet off. Extensive shade range: 4, 5, 8, 9-13,14-15. Viewing area 102 x 74 mm.



SA 60

Auto-darkening welding filter with a clear vision and large view. LiFE+ Color ADF technology provides greater clarity of vision, and remote control buttons make adjustment simple without taking the helmet off. Shade range: 5, 8, 9-13.



PFU 210e

Following filters are available for PFU 210e respirator: Spark arrester, pre-filter, particle filter, odor filter and gas filter. For further information regarding Kempfi filters and their ordering, please see the Safety Catalogue.



TECHNICAL SPECIFICATIONS

Gamma GTH3 PFA

Product code	9873100
Weight	962 g
Operating temperature	-5...+55 °C
EN 175	B
EN 12941	TH3
AS/NZS 1716;	P2
Welding filter	Passive
View size	101 x 73 mm
Filter dimension	109 x 86 mm
Shade range	11
LiFE+ Color (yes/no)	No
Grinding fuction (yes/no)	No
PAPR	PFU 210e

Gamma GTH3 SFA

Product code	9873120
Weight	1002 g
Operating temperature	-5...+55 °C
EN 175	B
EN 12941	TH3
AS/NZS 1716;	P2
Welding filter	SA 60
View size	102 x 60 mm
Filter dimension	Customized
Shade range	5, 8, 9-13
ADF light state	4
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding fuction (yes/no)	No
PAPR	PFU 210e



Gamma GTH3 XFA

Product code	9873130
Weight	1100 g
Operating temperature	-5...+55 °C
EN 175	B
EN 12941	TH3
AS/NZS 1716;	P2
Welding filter	XA 74
View size	102 x 74 mm
Filter dimension	Customized
Shade range	5, 8, 9-15
ADF light state	4
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding fuction (yes/no)	No
PAPR	PFU 210e

Gamma GTH3 PFA Airline

Product code	9873140
Weight	962 g
Operating temperature	-5...+55 °C
EN 175	B
Welding filter	Passive
View size	101 x 73 mm
Filter dimension	109 x 86 mm
Shade range	11
LiFE+ Color (yes/no)	No
Grinding fuction (yes/no)	No
Supplied air regulator	RSA 230

Gamma GTH3 SFA Airline

Product code	9873150
Weight	1002 g
Operating temperature	-5...+55 °C
EN 175	B
Welding filter	SA 60
View size	102 x 60 mm
Filter dimension	Customized
Shade range	5, 8, 9-13
ADF light state	4
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding fuction (yes/no)	No
Supplied air regulator	RSA 230



ACCESSORIES

PFU 210e

Product code	SP011996
Weight	2510 g
Operating temperature	-5...+55 °C
Minimum air flow	160 l/min
Maximum air flow	210 l/min
Battery type	Li-ion
Battery charging time (80%)	1.5 h (SD) / 2.5 h (HD)
Battery lifetime (charging cycles)	500

RSA 230

Product code	SP011617
Weight	1600 g
Length of supply air hose	10 - 30 m
Required supply air pressure	550 - 600 kPa
Minimum air flow	160 l/min
Maximum air flow	400 l/min

XA 74

Product code	SP012421
Shade range	4/5,8/9-13 CUTTING 5 14-15

SA 60

Product code	SP012422
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Kemppi is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

