

# ZETA Fresh Air W

SECURE MAXIMUM BREATHING PROTECTION ON SITE





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### SECURE MAXIMUM BREATHING PROTECTION ON SITE

Get the best protection and comfort for welding or cutting. **Zeta Fresh Air** is a complete respiratory protection system that includes a lightweight welding and cutting helmet and a certified Kemppi respirator. **Zeta Fresh Air** prioritizes welder health with comprehensive eye, face, and breathing protection while remaining comfortable and easy to use.

**The Zeta Fresh Air W201x** has built-in LED work lights that automatically adjust to ambient light conditions. They are powered by the battery in the blower unit and are easy to control manually with one hand. The **Zeta Fresh Air W201x** includes a PFU 210e powered filter unit that blocks 99.8% of harmful fumes, gases, and particles – maximize safety on site with certified TH3 level breathing protection.

With a lightweight narrow design, **Zeta Fresh Air welding helmets** reduce neck fatigue and make it easier to move around on-site while also delivering EN 166 and EN 175 face protection. They are built for comfort, designed for one-hand use, and provide complete protection from ultraviolet light and infrared radiation.

A best-in-class auto-darkening welding filter (ADF) delivers maximum eye protection and makes work easier. VISION+ technology gives you a clear and accurate view of the environment, and a 2.5 DIN shade makes it easy to see bright colors and details when the arc is turned off. With a high-quality ADF and a 110 x 60 mm viewing area, you don't need to detach the fresh air system and take the helmet off to quickly do something in a safe breathing environment like an office or break room. Arc-off visibility inside **Zeta Fresh Air welding helmets** is also fully optimized for inspection and grinding.



## KEY BENEFITS



### LIGHTWEIGHT DESIGN

Built specifically for maximum comfort when worn for long periods of time.



### TH3-LEVEL BREATHING PROTECTION

Synergy between welding helmet and respirator stops 99.8% of fumes, gases, and particles.



### ENHANCED VISIBILITY FEATURES

Maximum eye protection and arc-off clarity with VISION+ technology and a 2.5 DIN shade.

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## BENEFITS

- Lightweight design for added comfort
- Narrow shape for easy movement in tight spaces
- Well-placed buttons and manual controls for easy one-hand use
- Comes with a respirator for TH3-level breathing protection
- EN 166 and EN 175 certified for full-face protection
- VISION+ technology for a clear and accurate view of the work environment
- A high-quality ADF and 2.5 DIN shade for good arc-off visibility
- Built-in LED work lights for grinding, inspection, and low-light conditions
- Work lights turn on or off automatically for easy hands-free operation



## PRODUCT OPTIONS



### Zeta Fresh Air W201x PFU 210e

A complete breathing system that offers face, eye, and respiratory protection while still providing maximum comfort and ease of use. This version includes a powered filter unit for TH3-level breathing protection, a best-in-class auto-darkening welding filter, and built-in automatic LED work lights for added visibility during the inspection.



### Zeta Fresh Air W201 PFU 210e

Offers the same TH3-level breathing protection and auto-darkening welding filter as the W201x PFU 210e, as well as the same comfort and ease-of-use features. This version does not include the built-in automatic LED work lights.



### Zeta Fresh Air W201 RSA 230

Includes the same full-protection welding helmet as the W201 PFU 210e. This version has a belt-mounted supplied air regulator and does not include the built-in LED work lights.



## FEATURES



### Built-in work lights

Light up your day with built-in automatic LED work lights that increase safety while giving you the best visibility for important tasks. The lights are powered by the blowing unit, and they automatically turn off or on based on the ambient light. Manual controls are also easy to use with one hand. Lights are only available on the W201x model.



### TH-3 level breathing protection

Zeta Fresh Air is a complete solution for work environments with harmful fumes, particles, or gases. A Zeta welding helmet combined with a powered filter unit gives you best-in-class, TH3-level breathing protection and freedom of movement. The RSA230 version does not offer TH3-level protection.



### Optimized ergonomics

Zeta Fresh Air welding helmets make work easier. A lightweight narrow design makes it easy to move around the shop while also minimizing neck fatigue at the end of the day. Well-placed buttons and controls are easy to reach with one hand, and all Zeta Fresh Air welding helmets offer high-quality ADF and a 110 x 60 mm viewing area.





## ACCESSORIES



### SA 60Z ADF

Auto darkening welding filter for Zeta welding helmets featuring large viewing area of 110 mm x 60 mm. Shade selection: 2,5/8-12.



### 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.



### Multicharger MC-6 for PFU210e batteries

Multi-Charger 6 is a device for charging Kemppi PFU 210e filter unit batteries. Up to 6 batteries can be charged simultaneously with the charger device. The batteries can be either SD or HD batteries at the same time. The charging time is approximately 1,5 hours for SD batteries, and 3 hours for HD batteries.



### 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 Kemppi filters and their ordering, please see the Safety Catalogue.



### Gas filter

ABE gas filter for PFU 210e PAPR unit offers maximum breathing protection.



### Particle filter

Particle filter for PFU 210e PAPR unit.



### Pre-filter

Pre-filter for PFU 210e PAPR unit. The package includes 10 pieces.



### Universal leather neck protector

Protecting the neck and shoulders from welding spatter and grinding, the universal leather neck protector can be used with all Kemppi personal protection equipment and the wider welding market.



### Headband

Headband for Zeta helmets



### Sweatband 2 pcs

Sweatband for Zeta helmet headband.  
Package of 2 pcs.



### Comfort band padding 5 pcs

Neck band comfort padding for all Zeta models.



### Zeta Inner protection plate 5 pcs

Protection plate for Zeta welding helmets.  
Package of 5 pcs.



### Zeta Protection plate 5pcs

Protection plate for Zeta welding helmets.  
Package of 5 pcs.



### Magnifying lens holder

Magnifying lens holder for Zeta welding helmets.



### Magnifying lens 1.0x

Magnifying lens for Kemppi welding helmets.  
Optical power 1.00.



### Magnifying lens 1.5x

Magnifying lens for Kemppi welding helmets.  
Optical power 1.50.



### Magnifying lens 2.0x

Magnifying lens for Kemppi welding helmets.  
Optical power 2.00.



### Magnifying lens 2.5x

Magnifying lens for Kemppi welding helmets.  
Optical power 2.50.





## TECHNICAL SPECIFICATIONS

### RESPIRATORY PROTECTION EQUIPMENT

#### Zeta Fresh Air W201x PFU 210e

Product code	P0736 (including LI-ION Battery (HD) 6,4Ah)
Weight	710 g
Operating temperature	-5...+55°C <80%Rh
EN 175	B
EN 12941	TH3
AS/NZS 1716	P2
AS/NZS 1338.1	Yes
AS/NZS 1337.1	Yes
Welding filter	SA 60Z
View size	110 x 60 mm
Filter dimension	120 x 90 mm
Shade range	5, 8-12
ADF light state	2.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
Grinding function (yes/no)	Yes
PAPR	PFU 210e
VISION+ color	Yes
LED work lights powered by	PFU 210e

#### Zeta Fresh Air W201 PFU 210e

Product code	P0735 (including LI-ION Battery (SD) 3,2Ah)
Weight	680 g
Operating temperature	-5...+55°C <80%Rh
EN 175	B
EN 12941	TH3
AS/NZS 1716	P2
AS/NZS 1338.1	Yes
AS/NZS 1337.1	Yes
Welding filter	SA 60Z
View size	110 x 60 mm
Filter dimension	120 x 90 mm
Shade range	5, 8-12
ADF light state	2.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
Grinding function (yes/no)	Yes
PAPR	PFU 210e
VISION+ color	Yes



## Zeta Fresh Air W201 RSA 230

Product code	9873832
Weight	680 g
Operating temperature	-5...+55°C <80%Rh
EN 175	B
AS/NZS 1716	Yes
AS/NZS 1338.1	Yes
AS/NZS 1337.1	Yes
Welding filter	SA 60Z
View size	110 x 60 mm
Filter dimension	120 x 90 mm
Shade range	5, 8-12
ADF light state	2.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
Grinding function (yes/no)	Yes
Supplied air regulator	RSA 230
EN 14594	3B
VISION+ color	Yes

## ACCESSORIES

### SA 60Z ADF

Product code	9873076
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### 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



### Multicharger MC-6 for PFU210e batteries

Product code	P0730 Multi-Charger 6 with EU plug P0731 Multi-Charger 6 with UK plug P0732 Multi-Charger 6 with DK plug P0733 Multi-Charger 6 with AS/NZS plug P0734 Multi-Charger 6 with CH plug
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### Gas filter

Product code	SP009934
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### Particle filter

Product code	SP015757
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### Pre-filter

Product code	SP9320002
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### Universal leather neck protector

Product code	SP015579
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### Headband

Product code	SP009023
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### Sweatband 2 pcs

Product code	SP9873018
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### Comfort band padding 5 pcs

Product code	SP013231
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### Zeta Inner protection plate 5 pcs

Product code	SP023221
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### Zeta Protection plate 5pcs

Product code	SP022579
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### Magnifying lens holder

Product code	SP023179
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### Magnifying lens 1.0x

Product code	9873260
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Magnifying lens 1.5x

Product code	9873261
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Magnifying lens 2.0x

Product code	9873262
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Magnifying lens 2.5x

Product code	9873263
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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.

