BETA XFA/SFA/PFA

WELDING RESPIRATOR OFFERS LIGHTWEIGHT COMFORT AND PROTECTION

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KEMPPI

Designed for welders

WELDING RESPIRATOR OFFERS LIGHTWEIGHT COMFORT AND PROTECTION

NEW improved Beta e series welding respirators provide cool and clean breathing air, from either a PFU 210e battery powered filter unit offering optimal freedom of movement around the workspace, or a supplied breathing air solution where the airflow is regulated from the RSA 230.

Although the connection to RSA230 more tightly controls the freedom of movement to a local area, supplied air solutions suit applications where welding and shielding gases may build up displacing the breathing air.

Beta PFA/SFA/XFA welding respirator models are certified with a maximum inward leakage level of 2 % and when connected to the PFU 210e filter unit, offer the option of combined particle and gas filtration set.

KEY BENEFITS

EASY BREATHING

Positive pressure design makes breathing effortless and keeps dangerous welding fumes out.

CLEAN AND SAFE BREATHING AIR

Highly efficient filters block no less than 98% of the airborne particles.

SAFETY FOR MULTIPLE USE

Premium protection for welding, tacking, cutting, grinding and inspection processes

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BENEFITS

- Beta e90 PFA/SFA/XFA respirator models
- For welding, tacking, cutting, grinding, inspection
- Battery-powered PAPR or airline supplied models
- XFA model features LiFE+ Color ADF technology including shades 14 and 15
- SFA model features LiFE+ Color ADF technology including shades 9–13
- EN 175 B, AS/NZS 1337.1, EN 12941 TH2 and AS/NZS 1716
- Optional A1B1E1 GAS filter
- Fast charging PAPR battery packs
- Leather belt and metal buckle
- Lightweight welding respirator – Beta e90 PFA with face seal weighs only 650 g
- Comfort headband
- Magnifying lens option

PRODUCT OPTIONS

Beta e90 PFA

TH2-rated PAPR packages feature solutions for both particle and gas filtration. Package contains Beta e90 PFA welding helmet, shade 11 passive welding lens, powered air respirator PFU 210e, air hose, pre-filter, particle filter, battery 3.2 Ah, battery charger, flow meter, leather belt with comfort padding.

Beta e90 SFA

TH2-rated PAPR packages feature solutions for both particle and gas filtration. Package contains Beta e90 SFA welding helmet, auto-darkening welding lens SA 60B, powered air respirator PFU 210e, air hose, pre-filter, particle filter, battery 3.2 Ah, battery charger, flow meter, leather belt with comfort padding.

Beta e90 XFA

TH2-rated PAPR packages feature solutions for both particle and gas filtration. Package contains Beta e90 XFA welding helmet, auto-darkening welding lens XA 47, powered air respirator PFU 210e, air hose, pre-filter, particle filter, battery 3.2 Ah, battery charger, flow meter, leather belt with comfort padding.

Beta e90 PFA Airline

Welder's respirator for connection to a supplied breathing air source. Package contains Beta e90 PFA welding helmet, passive welding lens, supplied air regulator RSA 230, air hose and air hose adapter for RSA 230, flow meter, leather belt with comfort padding.

Beta e90 XFA Airline

Welder's respirator for connection to a supplied breathing air source. Package contains Beta e90 XFA welding helmet, auto-darkening welding lens XA 47, supplied air regulator RSA 230, air hose and air hose adapter for RSA 230, flow meter, leather belt with comfort padding.

Beta e90 SFA Airline

Welder's respirator for connection to a supplied breathing air source. Package contains Beta e90 SFA welding helmet, auto-darkening welding filter SA 60B, supplied air regulator RSA 230, air hose and air hose adapter for RSA 230, flow meter, leather belt with comfort padding.

FEATURES

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.

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.

LiFE+ Color welding optics

LiFE+ Color welding optics are developed to improve work efficiency, reduce eye fatigue and protect sight. For fine and low current welding applications, a magnifying lens can be easily fitted, providing a more detailed view of the workpiece.

ACCESSORIES

Beta Art e90 SFA

A special edition of our popular Beta e-series welding helmets. Choose from two unique designs: 'Forest' reflects the details of a beautiful northern pine tree, while 'Ice' captures the unmistakable details of a frozen Nordic landscape. Add the unique look of the Beta Art e90 SFA welding helmet to your Beta Fresh Air system for TH2-level breathing protection and best-in-class eye protection from an auto-darkening SA 60B welding lens.

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.

PFU 210e

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

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.

SA 60B

Auto-darkening welding filter featuring large view area 100 x 60mm and LiFE+ Color ADF technology, providing greater clarity of vision. Shade adjustments: 5, 9-13.

XA 47

Auto-darkening welding filter featuring LiFE+ Color ADF technology that provides greater clarity of vision. Shade adjustments: 5, 8, 9-13 and 14, 15.

Leather welding bib

Optional integrated neck protection for Alfa and Beta e-series models. Snap buttons allow easy removal and attachment.

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.

TECHNICAL SPECIFICATIONS

Beta e90 PFA

Product code	P0701
Weight	650 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
EN 12941	TH2
AS/NZS 1716	P1
Welding filter	Passive
View size	100 x 78 mm
Filter dimension	110 x 90 mm
Shade range	11
LiFE+ Color (yes/no)	No
Grinding function (yes/no)	No
PAPR	PFU 210e

Beta e90 SFA

Product code	P0706
Weight	680 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
EN 12941	TH2
AS/NZS 1716	P1
Welding filter	SA 60B
View size	100 x 60 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	3.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
PAPR	PFU 210e

Beta e90 XFA

Product code	P0711
Weight	700 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
EN 12941	TH2
AS/NZS 1716	P1
Welding filter	XA 47
View size	97 x 47 mm
Filter dimension	110 x 90 mm
Shade range	9-15
ADF light state	4
ADF CE Classification	1/1/1/2
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
PAPR	PFU 210e

Beta e90 PFA Airline

Product code	9873031
Weight	650 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	Passive
View size	100 x 78 mm
Filter dimension	110 x 90 mm
Shade range	11
LiFE+ Color (yes/no)	No
Grinding function (yes/no)	No
Supplied air regulator	RSA 230

Beta e90 XFA Airline

Product code	9873037
Weight	700 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	XA 47
View size	97 x 47 mm
Filter dimension	110 x 90 mm
Shade range	9-15
ADF light state	4
ADF CE Classification	1/1/1/2
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
Supplied air regulator	RSA 230

Beta e90 SFA Airline

Product code	9873033
Weight	680 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	SA 60B
View size	100 x 60 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	3.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
Supplied air regulator	RSA 230

ACCESSORIES

Beta Art e90 SFA

Product code	9873002AF – Beta e90 SFA Art Forest helmet 9873002AI – Beta e90 SFA Art Ice helmet
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	SA 60B
View size	100 x 60 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	3.5
ADF CE Classification	1/1/1/1
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes

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

SA 60B

Product code	SP9873064

XA 47

Product code	SP9873063
Shade range	4/9-13 CUTTING 5 14-15

Leather welding bib

Product code	SP015177

Universal leather neck protector

Product code	SP015579

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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.

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