DELTA+ 90 XFA / DELTA 90 SFA

WELDING AND RESPIRATORY PROTECTION IN HARD HAT WORK AREAS

KEMPPI

Designed for welders

DELTA+ 90 XFA / DELTA 90 SFA

WELDING AND RESPIRATORY PROTECTION IN HARD HAT WORK AREAS

Delta 90 SFA and Delta+ 90 XFA models provide head protection for welding and fabrication personnel working in extreme conditions, such as shipbuilding, heavy fabrication, mining and construction sites.

Delta respirator systems channel clean breathing air over the welder's face from either a rechargeable, Li-Ion battery powered filter pack or locally supplied breathing air source. The adjustable face seal, combined with the 'positive air pressure' design, creates a comfortable breathing zone certified to TH2 European standards, ensuring that 98% of contaminated air remains outside the breathing zone.

KEY BENEFITS

MAXIMUM PROTECTION

Integrated head, face and respiratory protection for welders and fabricators.

EXCEPTIONAL VISION

The intelligent, separately hinged welding visor offers exceptional vision experience.

BENEFITS

- Heavy-duty hard hat and welding visor
- Li-ion battery-powered filter pack or supplied air packages
- Positive pressure design makes breathing effortless
- Mounting for optional high-quality ear defenders
- Certified EN 397, EN 175 B, AS/NZS 1801 and AS/NZS 1337.1
- SA 60B ADF welding filter, shades 9-13 (SFA)
- XA 47 ADF welding filter, shades 5 / 9-13 / 14-15 (XFA)
- Remain protected behind the large, clear impact-rated visor (XFA)

PRODUCT OPTIONS

Delta+ 90 XFA

Delta+ 90 XFA welding helmet, auto-darkening welding filter XA 47, air hose, FA Flow Control unit, Li-ion battery and charger, flow meter, comfort belt.

Delta 90 SFA

Delta 90 SFA welding helmet, auto-darkening welding filter SA 60B, FA Flow Control unit, air hose, Li-ion battery and charger, flow meter, and comfort belt.

Delta+ 90 XFA Airline

Delta+ 90 XFA welding helmet, auto-darkening welding filter XA 47, FA Pressure Flow Control unit, flow meter, belt for FA Pressure Flow Control, grinding visor.

Delta 90 SFA Airline

Delta 90 SFA welding helmet, auto-darkening welding filter SA 60B, FA Pressure Flow Control unit, flow meter, belt for FA Pressure Flow Control.

ACCESSORIES

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.

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.

FA Flow Control

FA Flow Control is a battery powered filter unit with adjustable motor fan speeds from 140 lpm to 210 lpm. Powered from a Li-ion battery pack and providing protection against particulate contaminants associated with welding and fabrication operations, FA Flow Control offers excellent freedom of movement and breathing protection.

FA Pressure Flow Control

FA Pressure Flow Control system ensures easy and reliable airflow control and monitoring for Delta and Delta+ hard hat supplied air respirators. The belt mounted airflow regulation valve enables simple air flow adjustment to the breathing zone and is an ideal and cost efficient solution for more static work place locations and applications.

Ear defenders

Delta and Delta+ models connect with optional quality ear defenders.

TECHNICAL SPECIFICATIONS

Delta+ 90 XFA

Product code	9873320
Weight	1103 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 0.1
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
PAPR	FA Flow Control

Delta 90 SFA

Product code	9873310
Weight	634 g
Operating temperature	-5…+55 °C <80% Rh
EN 175	B
EN 12941	TH2
AS/NZS 1716	P1
Welding filter	SA 60B
View size	97 x 47 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	4
ADF CE Classification	1/1/1/1
LiFE+ Color (yes/no)	No
Grinding function (yes/no)	Yes
PAPR	FA Flow Control

Delta+ 90 XFA Airline

Product code	9873321
Weight	1103 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
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes
Supplied air regulator	FA Pressure Flow Control

Delta 90 SFA Airline

Product code	9873311
Weight	918 g
Operating temperature	-5…+55 °C <80% Rh
EN 175	B
Welding filter	SA 60B
View size	97 x 47 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	4
ADF CE Classification	1/1/1/1
ADF switching time	0.1
LiFE+ Color (yes/no)	No
Grinding function (yes/no)	Yes
Supplied air regulator	FA Pressure Flow Control

ACCESSORIES

XA 47

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

SA 60B

Product code	SP9873064

FA Flow Control

Product code	W013560 (with Li-ion battery)
Recommended temperature range	10…40 °C
Weight	980 g
Minimum air flow	140 l/min
Maximum air flow	210 l/min
Battery type	Li-ion
Battery charging time (80%)	4 - 5 hours
Battery lifetime (charging cycles)	500

FA Pressure Flow Control

Product code	W007496
Recommended temperature range	10…60 °C
Weight of the unit	250 g
Supply pressure range	300 - 1000 kPa
Minimum air flow	170 l/min
Maximum air flow	400 l/min

Ear defenders

Product code	W007517

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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.