Beta 90 FreshAir

DESIGNED FOR WELDERS WORKING IN ALL POSITIONS

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KEMPPI

And you know.

Beta 90 FreshAir

WELDING AND RESPIRATORY PROTECTION FOR YOUR SAFETY

Designed for welders working in all positions, Beta 90 FreshAir provides improved protection for the eyes, face, and lungs. The head-top features a multi-point head harness ensuring maximum adjustment and comfort, and the 3-stage flip lens makes welding, tacking, and grinding operations effortless and safe. The shield design also incorporates a perimeter deflection rim, offering additional protection in overhead welding applications. Further protection and comfort is provided by the dual-skin hatch design, which reduces heat transfer to the welder's face.

Beta 90 FreshAir is combined with either a battery powered FreshAir filter pack or locally supplied breathing air source via the FreshAir regulation valve. Cool and clean breathing air is channeled through a filter and directed over the welder's face, and the adjustable fabric face seal creates a safe and easy breathing zone for all day welder comfort. Due to the 'positive pressure' principle, any harmful airborne welding fumes and dust contamination are eliminated; this also prevents the welding lens from misting.

KEY BENEFITS

CLEANER AND SAFER AIR

The highly efficient filter filters no less than 99.998 % of the airborne particles

BENEFITS

- Protection for arc welding, plasma cutting, gouging, and grinding operations
- Provides safe, clean, and cool breathing air
- Positive pressure design makes breathing effortless
- Lightweight 900 g battery-powered filter pack or airline supply
- Air flow reduces weld lens misting
- Three stage flip lens for welding, tacking, and grinding operations
- Lightweight and comfortable
- Welding visor includes ADF lens
- Welding and grinding rated to EN 175 B and AS/NZS 1337.1
- Together with FreshAir Flow control rated to EN 12941 TH2 and AS/NZS 1716

ALTERNATIVE - EQUIPMENT AND SOFTWARE

Delta+ 90 FreshAir

Delta+ 90 FreshAir is an integrated welder's protection for the head, face, eyes and lungs. Heavy duty hard hat rating for welding and grinding processes in heavy fabrication, shipbuilding, mining, and construction, where designated hard hat protection is advisory or mandatory.

TECHNICAL SPECIFICATIONS

Beta 90 FreshAir

Product code	P1700 - Beta 90 FreshAir with Flow Control pack P1702 - Beta 90 FreshAir with Pressure Flow Control pack
Air flow	140 - 210 l/min at 8 adjustable flow rates
Weight of the blower unit incl. filter and battery	900 g
Noise level	61 dB
NiMh battery lifetime	500 - 700 charging cycles
One charging cycle	10-14 hours
Belt size	80 - 100 cm
Recommended temperature range	10 - 60 °C
Recommended humidity range	20 - 80 % Rh
Certification	If the requirements of TP-610050-1 are met, it complies with EN 12 021
Minimum air flow	170 l/min-1
Maximum air flow	500 l/min
Weight of the unit	250 g
Inlet connection	Compatible with RECTUS series 23, 26 a CEYN320
Outlet connection	MINI DN 5
Supply pressure range	300 - 1000 kPA
Weight without filter	6300 g
Weight including filter	6800 g

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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 600 welding experts in 13 countries and has a revenue of more than 110 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.

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