



No entry for smoke, particles and dust

## optrel e1100



Welders are put under a lot of stress during their work. The production of smoke, dust, vapour and gas is unavoidable during welding and other related work. These can pass via the larynx, wind pipes and bronchial system to the finest of bronchioles and alveoli which may result in a variety of respiratory diseases or even lung cancer. The breathing protection solutions from optrel's expert range reliably protect against these dangers. A particle filtration system and a combined particle and gas filtration unit eliminate these dangers without restricting welder comfort. All optrel blower units are designed to be combined with the optrel e600 helmet shell. Thanks to a special inner mask to regulate airflow, the welder is permanently protected from harmful substances and at the same time benefits from a pleasant cooling effect. Maximum protection and comfort are guaranteed.

Automatically better welding

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# optrel e1100

optrel e1100 was developed especially for professional welders and offers ideal protection from the weld smoke, flying particles and dust which are released during welding and associated work. The filter used in this unit is a special, fine mesh filter for ideally filtering particles. optrel e1100 is supplied along with all helmets in the optrel e600 range.



Designation	Article no.
e1100 with e680 dark blue	4240.003
e1100 with e670 cosmic green	4260.001
e1100 with e650 black unpainted	4270.000
e1100 with e640 black unpainted	4280.000

## Features

Nominal protection factor	TH2P classification (Europe) In accordance with BGR190, can be used for up to 20 times the workplace limit value
Blower unit	Speed of airflow: at least 150 l/min, controlled
Material	Polyamide (PA-GF)
Blower	High-quality, ball bearing-mounted fan motor
Fusing	Electronic fuse
Noise level	Max. 70 dB(A)
Alarm signals	Acoustic and visual alarms when battery charge and airflow are low and filter is not fitted or is blocked
Battery (standard)	Li-Ion, 4400 mAh, weight: 420 g
Battery life	Typically 11h (standard) / 16h (longlife)
Charge time	7 hours for the standard battery
Filter	1 x TH3P type for TH2P system
Hose	Length: 1160 mm, weight: 185 g
Weight	1205 g (blower including filter and belt)
Dimensions	(L x W x H): 249 x 213 x 87mm
Guarantee	2 years (not including battery)
Certificates	CE, AS/NZS, GOST-R

