

# CLEARMAXX

Clear view. Maximum protection.



## IDEAL PROTECTION FOR MEDICINAL- & LABORATORY APPLICATIONS



+++ MORE PROTECTION  
+++ MORE AIR  
+++ MORE COMFORT

# WELCOME TO THE COMFORT ZONE! CLEARMAXX – THE AIR IS CLEAR

The inadequate protection of the nursing staff through conventional mouth and nose protection and the rapid exhaustion due to high breathing resistance are increasingly becoming a major challenge in the health sector.

Optrel AG is a leading manufacturer of personal protective equipment and produces high quality eye, respiratory and head protection products for professional industrial applications.

The requirements concerning protection measures, comfort and productivity in industrial settings often by far exceed those of the healthcare industry.

The current dire state of emergency has given more reason than ever to rely on effective PPE. Currently, improved protection is particularly essential in the field of medicine. It has become a matter of life and death to protect health workers from droplet transmissions of the infectious viral disease. Many infectious pathogens manifest through the spread of respiratory secretions. Infectious drops are released by sneezing, coughing, speaking or singing and can be transmitted directly from one person to another or stick to surfaces. Furthermore, droplets are spread through aerosol-generating examinations and treatment methods.

Specifically, during dental activities, sputum induction, bronchoscopy, medical intubation, ventilation, resuscitation or as an aerosol of technical procedures.

The distance that these droplets need to leave the body depends on their size and severity: droplets with a diameter of more than 5 µm are spread around 1 to 1.5m and sediment within a few seconds. Within this short flight path, they can get directly into the respiratory tract of the recipient. Besides, there is the further possibility of a smear infection, by which the sedimented pathogen reaches the mucous membranes via touching hands and then touching mouth or eyes.

The water shell of smaller droplets evaporates during sedimentation and the resulting droplet-nuclei (aerosols) can float in the air for an indefinite period of time, i.e. they can consequently be aerogenically distributed. Mould spores and measles or tuberculosis pathogens can accordingly be spread throughout the room.

## PROTECT YOURSELF - WITHOUT COMPROMISE

Respiratory protection systems - the leading protection standard during times of Covid-19.

Optrel Respiratory protection systems are certified according to TH3 (EN 12941) and correspond to the highest respiratory protection class. They are adept to filter air and remove 99.8% of harmful solid and fluid particles providing for clean and purified inhalation. Infectious viruses and bacteria that are transmitted through the air, e.g. Droplet infections are effectually evaded.

With the e3000X PAPR system, you choose your optrel PAPR mask with an integrated respiratory protection system that does not compromise your safety, health and comfort.

## WORK IN A PERSONAL VIRUS-FREE CLIMATE / CREATE A SAFE COMFORT ZONE FREE OF THE FEAR OF CONTAMINATION

Unrestricted and clear view of your workplace and the environment. The filtered and clear air with individually adjustable, three-stage air supply make the clearmaxx a unique face and breathing protection system. Even in hectic times, you always keep a cool head with the blower breathing protection system from optrel. More air and oxygen for intense work and concentration.

## INCREASED & COMPREHENSIVE PRO- TECTION IN COMBINATION WITH E3000X

In comparison to the protection class' best, the half mask (FFP3), safety of the user's airways is increased by a factor of 10 or even by a factor of 40 (when using FFP2 masks). Additionally, both eyes are 100% protected. Please note: Do not use as a surgical mask!

## SMEAR INFECTIONS EXCLUDED/ COMPREHENSIVE PROTECTION FROM SMEAR INFECTIONS

Thanks to the comprehensive face protection, viruses and bacteria can no longer be spread through smear infections. The possibility of contamination of hands and objects on the mucous membranes of nose and/or eyes is therefore removed.

## WEARING COMFORT

Thanks to its own weight of merely 330 g (fresh air type: 495 g) and its ergonomic fit, the clearmaxx sets new standards in terms of comfort.

The specially developed, ergonomic carrying unit positions the e3000X optimally over the back with a comfortable 3-point adjustment system, thereby ensuring energy-saving and comfortable carrying. While the weight is distributed equally on both shoulders, your back and hips are relieved and protected correspondingly.

# UNBEATABLE IN A TEAM OPTREL CLEARMAXX WITH OPTREL E3000X PAPR SYSTEM



## INDIVIDUALLY ADJUSTABLE AIR DISTRI- BUTION

Using a rotary switch, up to 20% of the air in the fresh air system can be directed to the forehead area for additional cooling. Direct drafts over eyes and the associated drying- out of eyes can fittingly be avoided.



**40X**  
higher safety  
compared to a  
FFP2 mask

**10X**  
higher safety  
compared to a  
FFP3 mask

# OUR SOLUTION FOR YOUR MAXIMUM PROTECTION

## OPTREL CLEARMAXX WITH E3000X PAPR SYSTEM

### STAY HEALTHY



Art.-No. 4900.260  
**optrel clearmaxx medical**  
**'ready to protect'**

Scope of delivery:  
 clearmaxx med PAPR version  
 e3000X PAPR with plastic strap  
 parking buddy black  
 optrel halo - head gear comfort pad  
 Transport and storage box (Folding box)



Art.-No. 4551.040  
**optrel shoulder harness**

Description	Art. No.	Description	Art. No.
 clearmaxx medical, white	4900.020.W	 e3000X medical PAPR system, white	4558.000
 Comfort head gear medical 1 pc.	5003.250.W	 Filter cover, white 1 pc.	4551.056.W
 Sweat band medical, white 2 pcs.	5004.073.W	 Plastic belt medical, white 1 pc.	4551.461
 Comfort band medical, white 2 pcs.	5004.020.W	 TH3P master filter 1 pc.	4088.100
 Clear view lens clearmaxx 10 pcs.	5000.038	 Harness protection (textile) 1 pc.	4551.021.W
 Visor film clearmaxx 10 pcs.	5000.039	 Folding box with lid PP grey, 40x30x32cm, vol.: 29l	4074.010
 parking buddy black	5002.910		

