

Technical Data Sheet

Respirator Series: NeolutionPlus

Product description

The new filtering half mask series NeolutionPlus by DACH combines highest safety and advanced comfort for the wearer.

These respirators reliably protect the wearer against dusts, aerosols and non-volatile, fluid particles.

The patented three-part foldable design ensures a secure fit for all face shapes and is easy to handle and space-saving when stored. The intelligent NeolutionPlus design offers maximal freedom of movement and flexibly adapts while speaking or during other physical activity. So that it stays securely fitted and prevents dangerous slipping, providing reliable protection at the workplace.

Equipped with high-performing material, the NeolutionPlus combines highest filter performance with low breathing resistance, ensuring maximum safety. The extra-large filter surface can absorb large amounts of particles and provides large mask volume for maximum comfort even after prolonged wearing.

New comfortable elastic knitted headbands allow a stable fit and are comfortable to wear without pinching or pressure points. The ultrasonic welding spots make the NeolutionPlus head straps extremely durable and allow metal-free wearing comfort.

The white mask body has colour-coded head straps so that the protection level can easily be distinguished.

Classification

Respirators of this series are Category III Personal Protective Equipment and are fully certified in accordance with the Regulation (EU) 2016/425 on Personal Protective Equipment (PPE).

EU Type examination and surveillance are performed by BSI Group The Netherlands B.V., Say Building, John Keynesplein 9, 1066 EP, Amsterdam, Netherlands, Notified Body No. 2797.

Standards

The NeolutionPlus respirator series is tested accordingly to EN 149:2001 + A1:2009 and also complies with the voluntary dolomite dust clogging test.

The total inward leakage meets the following requirements.

Class	Total inward leakage
FFP1	22 %
FFP2	8 %
FFP3	2 %

The filter penetration meets the following requirements.

Class	Maximum penetration	
	NaCl 95 l/min	Paraffin oil 95 l/min
FFP1	20 %	20 %
FFP2	6 %	6 %
FFP3	1 %	1 %

The breathing resistance meets the following requirements.

Class	Maximum permissible breathing resistance (mbar)		
	Inhalation		Exhalation
	30 l/min	95 l/min	160 l/min
FFP1	0,6	2,1	3,0
FFP2	0,7	2,4	3,0
FFP3	1,0	3,0	3,0

Inflammability meets the requirements of EN 149: 2001 + A1: 2009: All materials pose no danger to the user and are not readily flammable.

Material

Exterior & Interior:	Polypropylene nonwoven
Supporting layer:	Polyester nonwoven
Filter medium:	Polypropylene
Nose piece:	Iron wire covered by polyethylene, detectable
Nose pad foam:	Polyethylene foam

Head band: Polyester yarn and latex
free synthetic rubber
thread

Valve case: Polypropylene

DACH Schutzbekleidung always recommends selecting the highest protection class against substances classified as CMR substances.

Product variants

REF	Class	Valve	
237	FFP1 NR D	without valve	
238	FFP2 NR D	without valve	
238V	FFP2 NR D	with valve	
239V	FFP3 NR D	with valve	

Class	X times the OEL value*	Remarks, Restrictions
FFP1	4	Not against substances classified as CMR substances or radioactive and airborne biological agents classified in risk groups 2 and 3 and enzymes.
FFP2	10	Against substances classified as CMR substances radioactive and airborne biological agents classified in risk group 3 and enzymes only after risk assessment (see selection principles of the DGUV regulation 112-190).
FFP3	30	

* National regulations must be followed.

Packaging

The respirators of the NeolutionPlus series are hygienically individually packed.

REF	GTIN	Packed	Quantity
237	4049825005926	Box	40
		Carton	480
238	4049825005933	Box	40
		Carton	480
238V	4049825005957	Box	20
		Carton	240
239V	4049825005940	Box	20
		Carton	240

Requirements for use

National regulations must be followed, eg. DGUV Rule 112-190 (BGR 190) "Use of respiratory protective equipment", BGI 504-26 "Selection criteria for special occupational medical precaution according to the professional association principle", G26 "Respiratory protective devices".

The instructions for use must be read and followed. The user must be familiar with the use and handling of the device.

The oxygen content of the breathing air must be at least 17 vol%. (DACH recommends 19 vol%)

Unventilated containers, pits, channels and small spaces must not be entered with particle filtering half masks.

The type and concentration of hazardous substances must be known.

Particle filtering half masks do not protect against gases.

Application

NeolutionPlus protects the wearer against solid and fluid aerosols up to 4, 10 or 30 times the Occupational Exposure Limit (OEL), as indicated in the table below.



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The respirator is not suitable for users with heavy facial hair or deep scars around the sealing lines of the mask.

Wearing time

One working shift. For hygienic reasons, the respirator for medical use must be disposed of after use.

Storage

Store in a dry environment, no of direct sunlight in its original packaging, see also packaging. The product has a shelf life of 3 years if the recommended storage conditions are followed.

Disposal

This product can be thermally recycled or disposed in a controlled landfill without releasing toxic substances.

The disposal of contaminated products must be determined by its contamination. Please follow the respective laws and regulations.

