

Product:	Neolution®Air Loop	 
REF:	257V	
Manufacturer:	DACH Schutzbekleidung GmbH & Co. KG	
Classification:	▪ Category III Personal Protective Equipment accordingly Regulation (EU) 2016/425	
Protection class:	Particle filtering half mask FFP3 NR D with valve accordingly EN 149:2001+A1:2009. Very good skin compatibility scientifically proven by testing accordingly EN ISO 10993-5 (cytotoxicity), EN ISO 10993-10 (sensitization) and EN ISO 10993-23 (irritation): The materials used are not cytotoxic, not sensitizing and not irritating.	
Materials:	▪ Mask: Polypropylene nonwoven ▪ Ear loops: textile elastic made from polyester and elastane ▪ Nose clip: metal wire covered by plastic ▪ Valve: Polypropylene Mask is free from natural latex.	
Product description:	The three-part respirator Neolution®Air Loop impresses with high-quality materials that guarantee the wearer maximum comfort. High-tech filter material generates a high filtering performance against solid and liquid aerosols with extremely low breathing resistance. Due to the three flexible mask parts, the mask follows the jaw movements when speaking. This ensures a constant tight fit. Quick and secure donning and doffing thanks to elastic ear loops. The thick ear loops fit comfortably around the ear without cutting in. Maximum protection even under extreme conditions: for disposable masks voluntary dolomite dust loading test passed!	
Product performance:	Product performance accordingly EN 149:2001+A1:2009	
	Filter efficiency	
	Class	Requirement

		Maximum penetration		Actual penetration			
		NaCl 95 l/min	Paraffin oil 95 l/min		NaCl 95 l/min	Paraffin oil 95 l/min	
	FFP3 NR D	1%	1%		0,07 %	0,16 %	
	Breathing resistance						
	Class	Requirement			Test result		
		Maxium breathing resistance (mbar)			Actual breathing resistance (mbar)		
		Inhalation		Exhalation	Inhalation		Exhalation
		30 l/min	95 l/min	160 l/min	30 l/min	95 l/min	160 l/min
	FFP3 NR D	1,0	3,0	3,0	0,4	1,6	1,6
	Leakage test						
	Class	Requirement			Test result		
		Maximum total inward leakage (%)	Minimum Protection factor (Fit Factor)		Total inward leakage (%) ¹		Protection factor (Fit Factor) ^{1,2}
	FFP3 NR D	2	30		0,44		227
	¹ The leakage and protection factor values were determined as mean values with two test persons under laboratory conditions and are for reference only. The data does not represent the actual leakage of a person at the workplace and does not replace an individual fit test. ² The fit factor (protection factor) indicates the ratio between the particle concentration outside the mask and the particle concentration inside the mask.						
	Carbon dioxide content of inhalation air						
	Class	Requirement (max.)			Test result		
	FFP3 NR D	1%			0,56 %		
Packaging and Variants	Packaging		Quantity		GTIN		

	Box	20 pcs.	4049825007272
	Carton	120 pcs.	4049825507260
	EURO Pallet	6480 Stk.	
Colour:	White		
Use:	For single use. Read the instructions before use.		
Storage:	Store in a dry place without direct sunlight in the original packaging (see packaging). If the storage conditions are observed, the product has a storage life of 5 years (see labelling on the product).		
Environmental sustainability and disposal:	In the case of contaminated products, the nature and extent of the contamination determines the disposal, following the applicable laws and regulations of the relevant country. A non-contaminated product can be thermally recycled or disposed of in landfills without releasing toxic substances.		