

C21

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a LEONARDO company



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ADVANCING RESPIRATORY PROTECTION

NEXT

GENERATION

CBRN MASK

C21 CBRN FULL-FACE MASK

Introducing the C21 Mask, launched in 2023 and manufactured in Italy, designed with the Next Generation CBRN End User in mind to meet their needs in the most challenging environments.



SUPERIOR DESIGN AND COMFORT

- ▶ **Cutting-edge** and **compact design** for easy integration with helmets and CBRN protective suits.
- ▶ **Advanced airflow system** provides **lower breathing resistance** and prevents visor misting.
- ▶ **Special inner mask** minimizes CO2 content, **reducing fatigue**.



EXCELLENT PROTECTION

- ▶ **Advanced CBRN Protection** (Proqares Test Report no. 105474).
- ▶ **Auto-Shut-off Valve: DPI unique safety system** prevents possible air ingress during filter replacement (M21 Model only).
- ▶ **Operational Excellence in Extreme Temperatures:** Tested from -40°C to +70°C.
- ▶ **Available** in **three sizes** (S, M, L) to cover all facial demographics.
- ▶ **Certified EN136:1998 Class 3.**
- ▶ **High protection and fit factor:** Superior design enhances fit factor.



FILTERING CAPABILITY

- ▶ **Universal filter connection:** Accepts 40 mm EN 148-1 and NATO type canisters.
- ▶ **Side-mounted filter** connection, which can be mounted on **either the left or right side**, to avoid obstructing the field of vision during operations and use.
- ▶ **Perfect integration** with **DPI DSPS filters**.



▶ ▶ Riot-C2 CS/CN/OC



▶ ▶ Riot-C3 CS/CN/OC



▶ ▶ Dirin 230 NBC A2B2E2K2HgP3

CBRN EXCELLENCE

MADE IN ITALY

ROBUST CONSTRUCTION & TOP OF THE LINE QUALITY MATERIALS

Leveraging 100+ years of Pirelli Butyl-Rubber expertise and Leonardo's innovative capabilities.



STRONG PANORAMIC VISOR

- ▶ **Panoramic visor** providing a wide field of vision > Apave Test Report no. 22.1386.001.1.
- ▶ **Ballistic protection** > Newton Test Report no. 10413-05031039.
- ▶ **Distortion-free:** Visor positioned close to the eyes to reduce eye relief.
- ▶ **Optical class 1**, the highest level of Optical Quality.
- ▶ Treated for **scratch** and **aggressive agents resistance**.



HIGH-FLOW DRINKING DEVICE

- ▶ Designed for perfect integration with **CamelBak** systems.
- ▶ Adaptors for bottles and other systems available upon request.



MICROPHONE CAPABILITY

- ▶ **Dynamic induction microphone** for excellent communication connectivity.



MULTIPLE HARNESS OPTIONS

- ▶ **3D Fabric harness:** lightweight, fast donning, integrability with helmets.
- ▶ **EPDM rubber:** Durable and robust construction.

TOP PERFORMANCE

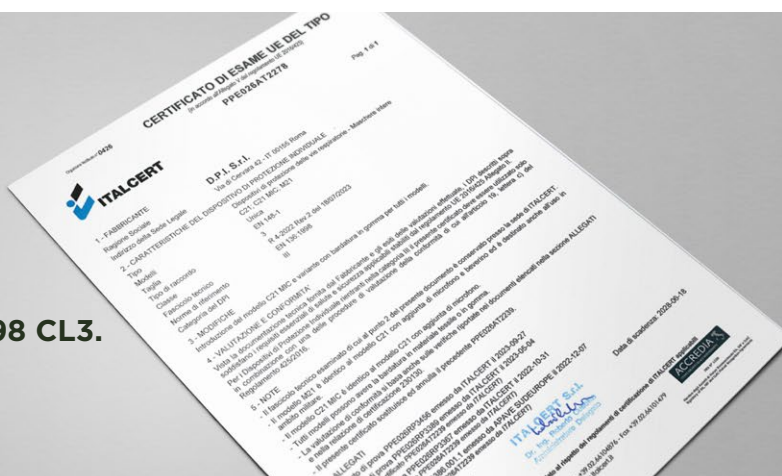
MASK

OUTSTANDING TECHNICAL SPECIFICATIONS

	C21 PERFORMANCE	EN 136 REQUIREMENT
CBRN Protection	See Proqares Test Report no. 105474	See Proqares Test Report no. 105474
Fit Factor	>10000	2000
Re-breathing CO2	0,6%	1%
Inhalation resistance		
160 l/min	1,9 mbar	2,5 mbar
95 l/min	0,7 mbar	1,5 mbar
30 l/min	0,3 mbar	0,5 mbar
Exhalation resistance		
160 l/min	1,7 mbar	3 mbar
Field of vision		
Natural	91,70%	70%
Biocular	88,20%	80%
Operational Temperatures	-40°C to +70°C	
Weight		
Fabric harness	605 g	
Rubber harness	670 g	
Materials		
Visor	Polycarbonate	
Connectors	PA+GF	
Facepiece	Bromobutyl	
Size	3	
Colour	Black	
Shelf Life	20 years (10 +10) if properly stored in original packaging	

CERTIFIED

C21 Full Face Mask is CE certified to EN136:1998 CL3.



ACCESSORIES

ACCESSORIES DESIGNED FOR OPTIMAL OPERATIONAL EFFICIENCY

CLEAR



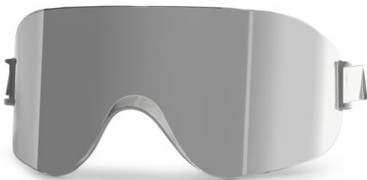
MIRRORED



BLUEBLOCKER



SUNLIGHT



BREACH



LASER



ADVANTAGES	CLEAR	SUNLIGHT	MIRRORED	BREACH	BLUEBLOCKER	LASER
Improved ballistic resistance	x	x	x	x	x	x
Wear prevention for mask visor	x	x	x	x	x	x
Hides the wearer's eyes			x	x		
Shields against high-level UV light and flash flares		x	x	x		
Enhances weapon for a sharper image of the target					x	
Offers eye protection for specialists using a cutting torch				x		
Removal of harmful laser wavelengths						x



▶ ▶ Black Tactical Carrying Bag



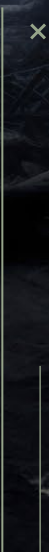
▶ ▶ CAMO Tactical Carrying Bag



▶ ▶ Microphone
▶ ▶ Headset Connection Cable



▶ ▶ Vision Correction System



DIRIN 230 NBC
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CONFIGURATIONS

C21 (With microphone connection and drinking device)

C21 size large (rubber harness)	43336006
C21 size large (3D fabric harness)	43336008
C21 size medium (rubber harness)	43336100
C21 size medium (3D fabric harness)	43336101
C21 size small (rubber harness)	43336010
C21 size small (3D fabric harness)	43336011

C21 R (Without microphone connection and drinking device)

C21 R size large (rubber harness)	43336106
C21 R size large (3D fabric harness)	43336108
C21 R size medium (rubber harness)	43336102
C21 R size medium (3D fabric harness)	43336103
C21 R size small (rubber harness)	43336110
C21 R size small (3D fabric harness)	43336111



▸ ▸ 3D Textile Harness



▸ ▸ EPDM Rubber Harness



Dispositivi Protezione Individuale D.P.I. srl - Direzione e coordinamento di Leonardo S.p.A.;
Via di Tor Cervara, 266 - 00155 Roma Italia; tel: +39 06 2270051; email: dpi@dpisekur.com; www.dpisekur.com
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