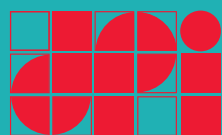




CIRES

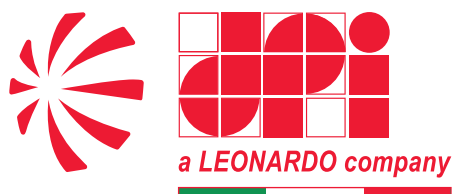
Advanced Performance Respiratory

a range of products by:



a LEONARDO company





THE SAFE CHOICE *since 1920*

DPI is a company of the Leonardo group, leader in the sector of qualified respiratory protection, which has been contributing for more than 100 years to safeguard the health of people all over the world.

EXPERIENCE AND MADE IN ITALY

A historic Italian brand, which since the beginning of the last century have been producing high quality solutions in the national territory.

INTERNAL R&D AND EXPERIMENTAL LABORATORY

They allow the constant improvement of our range of respiratory protection products and the development of new solutions in a rapid and flexible way.

KNOW-HOW

Specialist skills in the CBRN, civil and industrial sectors deriving from the experience gained with the Pirelli group and enhanced by the Leonardo group.

AGILITY

Fast, flexible and consumer-oriented thanks to tailor-made solutions and tailor-made projects to meet customer needs.

CUSTOMER SERVICE

360-degree service, including assistance and training, to meet the needs of our 4000 customers in more than 40 countries.







Vision

Imagine all the people working safely



Mission

Breathing solutions in every mission



Values

- Integrity
- Focus on the final customer
 - Innovation
 - Operational excellence
- Melting-pot and inclusion

Our History

1920/1930

Pirelli begins production of filters and masks for the Italian Army.



1993

Start of D.P.I. as a result of a management buyout operation from Pirelli.

1975

Birth of Sèkur brand.



1935

First SCBA.



1991

Sèkur Pirelli develops the first spherical mask, featuring an optical distortion free visor.

1998

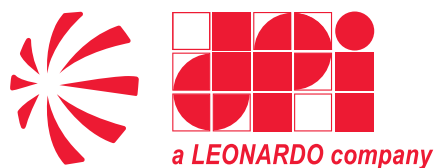
D.P.I. achieves ISO 9001 Certification.



UNI EN ISO 9001

2021

Buyout of DPI by LEONARDO SPA through LARIMART SpA.



1995

Inauguration of the new D.P.I. headquarter and factory.

1998-2015

D.P.I. launches a wide range of new products: from the DIABLO line of self-contained breathing apparatus, to the EEBD, to the IDEA full face mask, to the new escape devices BLITZ 5 and escABEK.



2022

Launch of new products: **C 701** and **C 702** full face masks and **E550** demand valve.

Ssekur[®]



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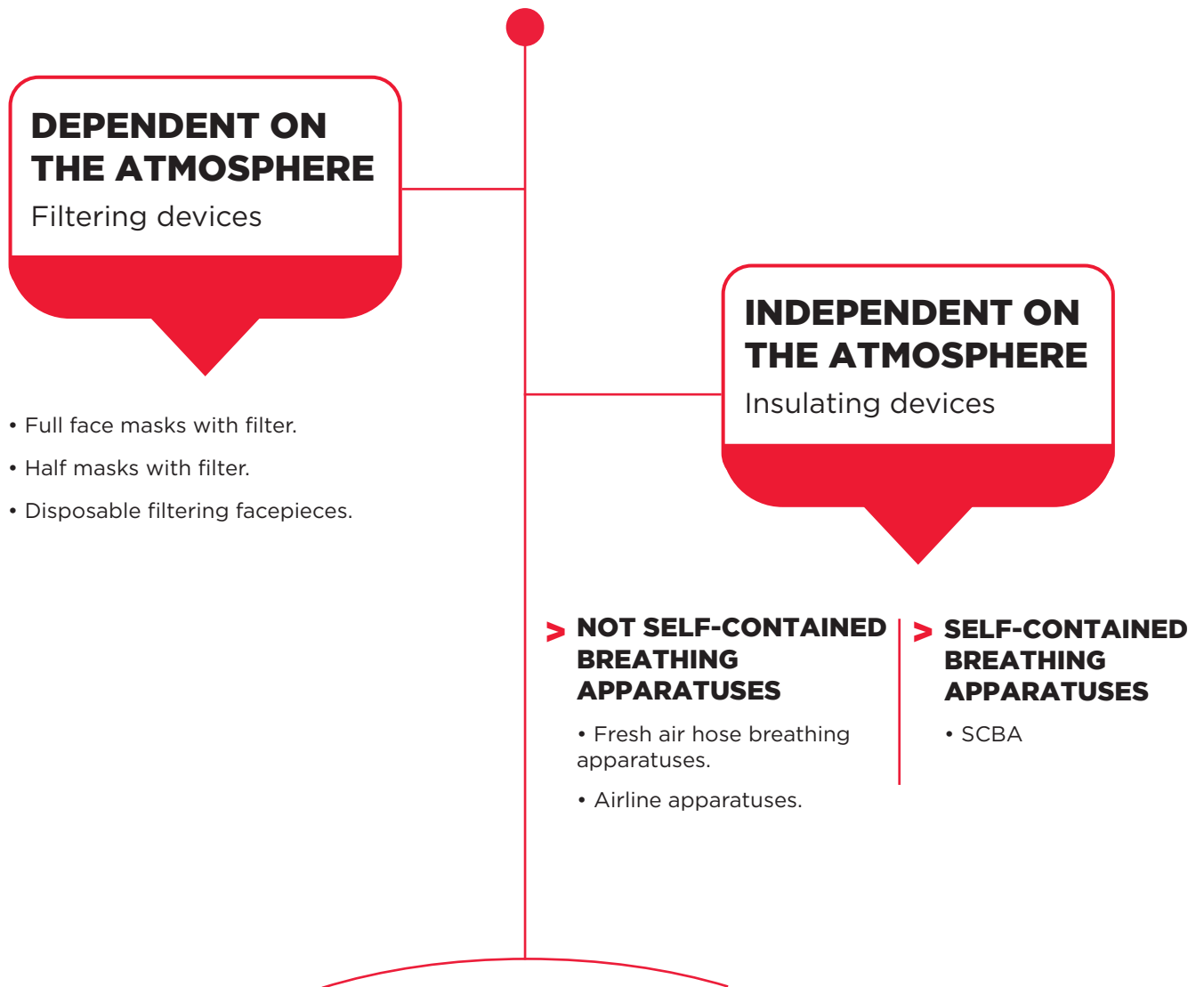






RESPIRATORY PROTECTION | Classification

Respiratory Protective Devices



Filtering respirators

Full face masks



Description

Full face masks complying with EN 136, for use with dust, gas and combined filters with threaded fitting EN 148/1 (DIRIN series). Only C 702 and C 607 Twin have instead a double fitting to be used with a couple of filters Series 200.

	C701	C702	IDEA	SFERA	C 607	C 607 TWIN	SELECTA
THERMOPLASTIC	X	X					
EPDM			X	X	X	X	x
SILICONE			X	X	X		
CLASS 2					X	X	x
CLASS 3	X	X	X	X	X*		

*On request

Specifications

Materials

- C607 E, Sfera, IDEA masks are available in EPDM and silicone rubber.
- Selecta and C 607 E masks are available only in EPDM.
- C 701 and C 702 full face masks are available in thermoplastic material.

Protection class

IDEA, SFERA, C 701 and C 702 full face masks are class 3. C 607 Twin and Selecta are class 2, C 607 E is class 2 but is also available in class 3.

New



C 701



The mask is certified as class 3 according to EN 136 (maximum mechanical, heat and flame resistance). For use with particle, gas and combined filters equipped with EN 148/1 threaded connection.

Innovative inspiration system with rectangular inhalation valve and absence of non-return valves, which ensures excellent anti-fog, assuring a minimum level of breathing resistance.

Panoramic visor, optical class 1 (EN 166), ensures a wide field of vision, without optical distortions.

- Ballistic resistance (STANAG 2920).
- Available with anti-scratch treatment.

Half mask and face seal in thermoplastic

- Excellent adaptability to different facial conformation
- Hypoallergenic material

Comfortable harness fixed on 5 points

- Available in EPDM or 3D fabric (interchangeable)

Available in 6 colours (red, olive green, aquamarine, orange, black and white).

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

- Face seal: Thermoplastic rubber
- Inner half mask: Thermoplastic rubber
- Visor: Polycarbonate • Connector: Polyamide (PA)
- Harness: EPDM o 3D fabric

Weight:

With EPDM harness: 620g.

With 3D harness: 590g.



ERGONOMIC DESIGN



AIR-ON INSPIRATION SYSTEM



PANORAMIC VISOR

Product type*	Item no.
C 701 Red with EPDM harness	43335000R
C 701 Black with EPDM harness	43335000B
C 701 Olive green with EPDM harness	43335000M
C 701 White with EPDM harness	43335000W
C 701 Aquamarine with EPDM harness	43335000G
C 701 Orange with EPDM harness	43335000O
C 701 Red with 3D harness	43335001R
C 701 Black with 3D harness	43335001B
C 701 Olive green with 3D harness	43335001M
C 701 White with 3D harness	43335001W
C 701 Aquamarine with 3D harness	43335001G
C 701 Orange with 3D harness	43335001O

*The above models are also available with treated visor.

New



C 702



The mask is certified as class 3 according to EN 136 (maximum mechanical, heat and flame resistance). For use with a couple of particle, gas and combined filters SERIES 200.

Innovative inspiration system with rectangular inhalation valve and absence of non-return valves, which ensures excellent anti-fog, assuring a minimum level of breathing resistance

Panoramic visor, optical class 1 (EN 166), ensures a wide field of vision, without optical distortions.

- Ballistic resistance (STANAG 2920).
- Available with anti-scratch treatment.

Half mask and face seal in thermoplastic

- Excellent adaptability to different facial conformation
- Hypoallergenic material

Comfortable harness fixed on 5 points

- Available in EPDM or 3D fabric (interchangeable)

Available in 6 colours (red, olive green, aquamarine, orange, black and white).

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

- Face seal: Thermoplastic rubber
- Inner half mask: Thermoplastic rubber
- Visor: Polycarbonate • Connector: Polyamide (PA)
- Harness: EPDM o 3D fabric

Weight:

With EPDM harness: 650g.

With 3D harness: 620g.



ERGONOMIC DESIGN



AIR-ON INSPIRATION SYSTEM




PANORAMIC VISOR

Product type*	Item no.
C 702 Red with EPDM harness	43335002R
C 702 Black with EPDM harness	43335002B
C 702 Olive green with EPDM harness	43335002M
C 702 White with EPDM harness	43335002W
C 702 Aquamarine with EPDM harness	43335002G
C 702 Orange with EPDM harness	43335002O
C 702 Red with 3D harness	43335003R
C 702 black with 3D harness	43335003B
C 702 Olive green with 3D harness	43335003M
C 702 White with 3D harness	43335003W
C 702 Aquamarine with 3D harness	43335003G
C 702 Orange with 3D harness	43335003O

*The above models are also available with treated visor.



 PANORAMIC

 STURDY

 COMFORTABLE

Idea

Full face mask with an **innovative design**. **Panoramic visor** with a wide field of vision, optically perfect and completely distortion free and protected by the frame, to ensure high resistance against scratches and abrasions. **Multipurpose connector** comprising threaded connector complete with inhalation valve and sealing rubber gasket according to EN 148/1, exhalation valve equipped with compensating elliptical prechamber to make the threaded connector more compact, high efficiency, centrally positioned speech diaphragm. Very **low breathing resistance**. **Enhanced ventilation system**: perfect demisting of the screen even in the most severe conditions of use. **Excellent voice transmission**. **Resistance to flame and radiant heat**. **Easy maintenance**, washing and disinfection: reduced quantity of parts to be replaced, which can be disassembled with simple tools.

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

Face seal: EPDM or Silicone • Inner half mask: EPDM or Silicone rubber
Visor: Polycarbonate • Connector: Polyamide (PA) • Harness: EPDM

Silicone  EPDM 

Weight: **Item no.:**

650g

Silicone: 43334009 • EPDM: 43334006



 WIDE FIELD OF VISION

 DISTORTION FREE

 EASY DONNING

Sfera

Extra wide view full face mask. Multipurpose connector and accurate distribution of weights. **Wide field of vision**: over 85% of the natural field. Full face **polycarbonate visor** with a high impact resistance, completely free from distortions. The visor has an antiscratch coating and a good resistance to acids. **Resistance to flame and radiant heat**: the mask is self-extinguishing and retains its protective capacity even after such severe tests. **Quick donning and doffing**; the shoulder strap allows to keep the mask ready for immediate use. **Long shelf life**: high ozone resistance of the rubber compounds used. **Easy maintenance, washing and disinfection**: all components can be disassembled with simple tools.

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

Face seal: EPDM or Silicone • Inner half mask: EPDM or Silicone rubber
Visor: Polycarbonate • Connector: Polyamide (PA) • Harness: EPDM

Silicone  EPDM 

Weight: **Item no.:**

650g

Silicone: 43333002 • EPDM: 43333005



C 607 E

Compact full face mask, fitting any face conformations. **Polycarbonate visor** with high impact resistance to acids, even at high concentrations. Optional: multilayer **safety glass visor** especially resistant to paints and solvents. Excellent voice transmission thanks to the frontal position of the speech diaphragm.

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

Face seal: EPDM or Silicone • Inner half mask: EPDM or Silicone rubber
Visor: Polycarbonate • Connector: Polyamide (PA) • Harness: EPDM

Silicone ● EPDM ●

Weight:

C 607 E: 580g

Item no.:

EPDM: 43332034 • Silicone: 43332037

Available **C607 TWIN** in EPDM rubber, with double fitting for filters Series 200.

Item no.: 43330608



ERGONOMIC



COMPACT



COMFORTABLE



Selecta

Compact full face mask, fitting any face conformations. Polycarbonate visor with high impact resistance to acids, even at high concentrations. Without speech diaphragm.

Performances:



Sturdiness



Comfort



Panoramic view



Ergonomics



Easy maintenance

Materials:

Face seal: EPDM • Inner half mask: EPDM • Visor: Polycarbonate
Connector: Polyamide (PA) • Harness: EPDM

EPDM ●

Weight:

580g

Item no.:

EPDM: 43332030



ERGONOMIC



COMPACT



COMFORTABLE

| Mask with safety hood



| C 607 MD

EPDM full face mask type C 607 with standard connection according to EN 148/1. It is equipped with a hood made of synthetic material (**polyester**) coated with PVC, attached to the mask on the perimeter of the visor and on the perimeter of the inhalation connection. Complying with EN 136.

Item no.:

43332042

| Accessories



| Carrying cases

Carrying cases for Sfera, Idea or C 607 full face mask.

Item no.:

For C 607: 42010145

For SFERA-IDEA: 42010014

Soft carrying case for C 701 / C 702 full face mask.

Item no.:

42010017

SEVERAL MODELS



| Airmatic

Breathing assistance AIRMATIC for full and half masks with thread according to EN 148/1.

- High quality and waterproof material (no PVC)
- Small, sturdy and durable
- Comfortable to wear
- Keeps the field of view unchanged
- Reduces heat accumulation inside the mask
- Battery supplied with the product

Item no.:

44370511



| Peel off visor

Peel off visor for C 701/C 702 full face mask.

Item no.:

42010027

Peel off visor (kit of 10 pcs) for C607 full face mask.

Item no.:

44323000



| Prescription lenses frames

Frames for prescription lenses, fitting Sfera, C 607, Idea or C 701/C 702 full face mask.

Item no.:

For C 607: 42010225

For SFERA: 42010100

For IDEA: 42010203

For C 701 - C 702: 42010312

SEVERAL MODELS

Half masks

Polimask



ERGONOMIC



LIGHT WEIGHT



EASY DONNING



I Description

Half masks complying with EN 140, available in EPDM and Silicone rubber. They can be fitted with Sèkur filters series 200, series 230 and DIRIN 230 - DIRIN 300 with thread complying with EN 148/1.

I Features

Body mask in EPDM or silicone rubber (Polimask 100/2 is available only in EPDM rubber)

Two-piece harness with adjustable buckles and fasteners

Low breathing resistance:

- Polimask 100/2 (0,5 mbar during inhalation, 1,6 mbar during exhalation, at a rate of 160 l/min).
- Polimask 230 (0,9 mbar during inhalation, 1,6 mbar during exhalation, at a rate of 160 l/min).
- Polimask 330 (1,4 mbar during inhalation, 1,6 mbar during exhalation, at a rate of 160 l/min).

Fitting with filters Series 200 (Polimask 100/2), Series 230 (Polimask 230) and DIRIN 230-300 (Polimask 330).

Performances:



Comfort



Ergonomics



Lightness



Easy donning

✓ Advantages

- Adaptability to any kind of face with a good sealing ability (approximately 0.5% leakage).
- Easy donning and doffing.
- Easy maintenance, washing and disinfection
- Compatibility with the use of glasses and goggles.



| Polimask 100/2

Half mask in EPDM rubber for use with two Sèkur filters series 200.

Materials:

Body mask: EPDM
Filter fittings: Polypropylene
Harness: EPDM

EPDM ●

Weight: **Item no.:**

140g EPDM: 43361005



| Polimask 230

Half mask in EPDM or Silicone rubber for use with one Sèkur filter series 230.

Materials:

Body mask: EPDM or silicone rubber
Harness attachment support: Polyamide
Filter fittings: Polypropylene
Harness: EPDM

Silicone ● EPDM ●

Weight: **Item no.:**

145g Silicone: 43362105
 EPDM: 43362100



| Polimask 330

Half mask in EPDM or Silicone rubber for use with one Sèkur filter series DIRIN (DIRIN 230-DIRIN 300).

Materials:

Body mask: EPDM or silicone rubber
 Harness attachment support: Polyamide
 Filter fittings: Polypropylene
 Harness: EPDM

Silicone ● EPDM ●

Weight: **Item no.:**

145g

Silicone: 43362600 • EPDM: 43362500

| Complete kits with filter



| Polimask 102 A1P1

POLIMASK 102/EF + VS, respirator fitted with 2 combined cartridges type 200 EF + VS A1P1 (for spray painting and agriculture).

Materials:

Body mask: EPDM
 Filter fittings: Polypropylene
 Harness: EPDM

EPDM ●

Weight: **Item no.:**

300g

EPDM: 43360017



| Polimask 102 A2 P3

POLIMASK 102 A2 P3, respirator fitted with 2 combined cartridges type 200 A2P3 R D (only for agriculture).

Materials:

Body mask: EPDM
Filter fittings: Polypropylene
Harness: EPDM

EPDM ●

Weight: 350g **Item no.:** EPDM: 43360018



| Polimask 230 A1 P1

POLIMASK 230/EF + VS, respirator fitted with one combined cartridge type 230 EF + VS A1P1 (for spray painting and agriculture).

Materials:

Body mask: EPDM
Harness attachment support: Polyamide
Filter fittings: Polypropylene
Harness: EPDM

EPDM ●

Weight: 250g **Item no.:** EPDM: 43360020



| Polimask 230 A2 P3

POLIMASK 230 A2 P3, respirator fitted with combined cartridges type 230 A2P3 R D (only for agriculture).

Materials:

Body mask: EPDM

Harness attachment support: Polyamide

Filter fittings: Polypropylene

Harness: EPDM

EPDM ●

Weight:

295g

Item no.:

EPDM: 43360019

| Accessories



| Hood for half mask

- Made of dust-proof and breathable fleece material;
- Encloses the complete head, face and neck area;
- With large window shield made of triacetate;
- Limited use;
- 10 pieces per pack;
- For use with half mask and filter.

Item no.:

Protective hood: 44146000

Protective hood + breathing assistance AIRMATIC: 44146000 + 44370511

Half masks

Polimask 2000



ERGONOMIC



COMFORTABLE



EASY DONNING



| Description

Half masks complying with EN 140, available in EPDM and Silicone rubber. They can be fitted with Sèkur filters series 200, series 230 and DIRIN 230 - DIRIN 300 with thread complying with EN 148/1.

| Features

Body mask in EPDM or silicone rubber.

Elastic textile harness system that does not capture the hair, combined with soft resin elements synthetic that ensure a stable positioning on the neck.

Large internal sealing flap that allows a perfect adaptability to the face and an excellent seal.

Low breathing resistance: (< 1,2 mbar during inhalation, < 2 mbar during exhalation, at a rate of 160 l/min)

Fitting with filters Series 200 (Polimask Beta), Series 230 (Polimask Gamma) and DIRIN 230-300 (Polimask Alfa).

Performances:



Comfort



Ergonomics



Lightness



Easy donning

✓ Advantages

- Adaptability to any kind of face with a good sealing ability (approximately 0.5% leakage).
- Easy donning and doffing.
- Easy maintenance, washing and disinfection.
- Compatibility with the use of glasses and goggles.

New colour



Polimask ALFA

Half mask in EPDM or Silicone rubber for use with one Sèkur filter series DIRIN (DIRIN 230-DIRIN 300).

Materials:

Body mask: EPDM or silicone rubber
Harness attachment support: ABS
Filter fitting: Polypropylene
• Harness: Nylon/Elastic

Silicone ● Silicone ● EPDM ●

Weight:

160g

Item no.:

Silicone (yellow): 43362108

Silicone (grey): 43362128

EPDM: 43362107

New colour



Polimask BETA

Half mask in EPDM rubber for use with two Sèkur filters series 200.

Materials:

Body mask: EPDM or silicone rubber
Harness attachment support: ABS
Filter fittings: Polypropylene • Harness: Nylon/Elastic

Silicone ● Silicone ● EPDM ●

Weight:

165g

Item no.:

Silicone (yellow): 43362111

Silicone (grey): 43362129

EPDM: 43362109

New
colour



Polimask GAMMA

Half mask in EPDM or Silicone rubber for use with one Sèkur filter series 230.

Materials:

Body mask: EPDM or silicone rubber

Harness attachment support: ABS

Filter fitting: Polypropylene

Harness: Nylon/Elastic

Silicone ● Silicone ● EPDM ●

Weight:

169g

Item no.:

Silicone (yellow): 43362113

Silicone (grey): 43362130

EPDM: 43362112



Gas, dust and combined filters



Description

D.P.I. has a wide range of dust, gas and combined filters: series 200 (to be used in pairs), series 230 and DIRIN (with threaded connector EN 148/1). Dust filters comply with the standard EN 143, gas and combined filters with EN 14387. All dust and combined filters with **P2** and **P3** are marked with **R** (reusable) and **D** (dolomite tested).

Possible combinations between filters and masks:

	Series 200	Series 230	Series DIRIN 230	Series DIRIN 300	Series DIRIN 500	DIRIN 530
Polimask 100/2	X					
Polimask 230		X				
Polimask 330		X*	X	X		
Polimask Alfa		X*	X	X		
Polimask Beta	X					
Polimask Gamma		X				
Selecta		X*	X	X	X	X
C 607 E		X*	X	X	X	X
C 607 Twin	X					
Sfera		X*	X	X	X	X
Idea		X*	X	X	X	X
C 701		X*	X	X	X	X
C 702	X					

* With dedicated connector (Code 4201 0600)



| Series 200

Gas, dust and combined filters



Filter type	Details	Item no.
GAS FILTERS - Selling unit 12 pcs		
200 A1	Organic gas and vapours	43401001
200 B1	Inorganic gas and vapours	43401002
200 E1	Sulfur dioxide	43401003
200 K1	Ammonia	43401004
200 A1B1	Organic vapours and acid gases	43403216
200 A1 B1 E1 K1	Multipurpose	43401021
200 A2	Organic gas and vapours	43401022
DUST FILTERS - Selling unit 12 pcs		
200 P2 RD	Dust, mist and aerosol	43401006
200 P3 RD	Dust, mist and aerosol	43401007
COMBINED FILTERS - Selling unit 12 pcs		
200 EF+VS A1 P1 NR	Organic gas and vapours, dust and fumes	43403215
COMBINED FILTERS - Selling unit 8 pcs		
200 A1 P3 R D	Organic gas and vapours, dust, fumes and mist	43401012
200 B1 P3 R D	Inorganic gas and vapours, dust, fumes and mist	43401013
200 E1 P3 R D	Sulfur dioxide, dust, fumes and mist	43401014
200 K1 P3 R D	Ammonia, dust, fumes and mist	43401015
200 A1B1E1K1 P3 R D	Combined multipurpose	43401020
200 A2 P3 R D	Organic gas and vapours, dust, fumes and mist	43401024

Series 230

Gas, dust and combined filters



Filter type	Details	Item no.
GAS FILTERS - Selling unit 14 pcs		
230 A1	Organic gas and vapours	43405100
230 B1	Inorganic gas and vapours	43405101
230 E1	Sulfur dioxide	43405102
230 K1	Ammonia	43405103
230 A1B1	Organic vapours and acid gases	43405125
230 A1B1E1K1	Multipurpose	43405202
230 A2 COMPACT	Organic gas and vapours	43401159
GAS FILTERS - Selling unit 8 pcs		
230 A2	Organic gas and vapours	43405105
230 B2	Inorganic gas and vapours	43405113
230 E2	Sulfur dioxide	43405114
230 K2	Ammonia	43405115
230 A2B2E2K1	Multipurpose	43405124
230 A2B2E2K2	Multipurpose	43401167
DUST FILTERS - Selling unit 14 pcs		
230 P2 RD	Dust, mist and aerosol	43405116
230 P3 RD	Dust, mist and aerosol	43405117
COMBINED FILTERS - Selling unit 14 pcs		
230 EF + VS A1P1 NR	Organic gas and vapours, dust and fumes	43405127
COMBINED FILTERS - Selling unit 8 pcs		
230 A1P2 R D	Organic gas and vapours, dust, fumes and mist	43405104
230 B1P2 R D	Inorganic gas and vapours, dust, fumes and mist	43405110
230 E1P2 R D	Sulfur dioxide, dust, fumes and mist	43405111
230 K1P2 R D	Ammonia, dust, fumes and mist	43405112
230 A1P3 R D	Organic gas and vapours, dust, fumes and mist	43405118
230 B1P3 R D	Inorganic gas and vapours, dust, fumes and mist	43405119
230 A1B1E1K1 P3 R D	Combined multipurpose	43405203



Filter type	Details	Item no.
COMBINED FILTERS - Selling unit 6 pcs		
230 A2P2 R D	Organic gas and vapours-dust, fumes and mist	43405106
230 B2P2 R D	Inorganic gas and vapours-dust, fumes and mist	43405107
230 E2P2 R D	Sulfur dioxide-dust, fumes and mist	43405108
230 K2P2 R D	Ammonia-dust, fumes and mist	43405109
COMBINED FILTERS - Selling unit 8 pcs		
230 A2P3 R D COMPACT	Organic gas and vapours dust, fumes and mist	43401158
COMBINED FILTERS - Selling unit 6 pcs		
230 A2P3 R D	Organic gas and vapours	43405120
230 B2P3 R D	Inorganic gas and vapours-dust, fumes and mist	43405121
230 A2B2P3 R D	Organic and inorganic gas and vapours, dust, fumes and mist	43405122
230 A2B2E2K1 P3 R D	Combined multipurpose	43405123
230 A2B2E2K2 P3 R D	Combined multipurpose	43401166

Series DIRIN 230

Gas, dust and combined filters



Filter type	Details	Item no.
GAS FILTERS - Single pack		
DIRIN 230 A2	Organic gas and vapours	43410600
DIRIN 230 A2 COMPACT	Organic gas and vapours	43410655
DIRIN 230 B2	Inorganic gas and vapours	43410601
DIRIN 230 E2	Sulfur dioxide	43410602
DIRIN 230 K2	Ammonia	43410603
DIRIN 230 AX	Low boiling organic compounds	43410604
DIRIN 230 A2B2	Organic and inorganic gas and vapours	43410619
DIRIN 230 A1B1E1K1 COMPACT	Multipurpose	43410657
DIRIN 230 A2B2E2K1	Multipurpose	43410631
DIRIN 230 A2B2E2K2	Multipurpose	43410638
DUST FILTERS - Selling unit 8 pcs		
DIRIN 230 P3 R	Dust, mist and aerosol, radionuclides	43410590
GAS FILTERS - Single pack		
DIRIN 230 A2P2 R D	Organic gas and vapours-dust, fumes and mist	43410620
DIRIN 230 B2P2 R D	Inorganic gas and vapours-dust, fumes and mist	43410621
DIRIN 230 E2P2 R D	Sulfur dioxide-dust fumes and mist	43410622
DIRIN 230 K2P2 R D	Ammonia-dust, fumes and mist	43410623
DIRIN 230 A2P3 R D	Organic gas and vapours-dust, fumes and mist	43410625
DIRIN 230 A2P3 R D COMPACT	Organic gas and vapours-dust, fumes and mist	43410656
DIRIN 230 B2P3 R D	Organic gas and vapours-dust, fumes and mist	43410626
DIRIN 230 E2P3 R D	Inorganic gas and vapours-dust, fumes and mist	43410628
DIRIN 230 K2P3 R D	Sulfur dioxide-dust, fumes and mist	43410629
DIRIN 230 AXP3 R D	Ammonia-dust, fumes and mist	43410606
DIRIN 230 A2B2P2 R D	Low boiling organic compounds-dust, fumes and mist	43410630



Filter type	Details	Item no.
COMBINED FILTERS - Single pack		
DIRIN 230 A2B2P3 R D	Organic and inorganic gas and vapours-dust fumes and mist	43410627
DIRIN 230 COMPACT A1B1E1K1 P3 R D	Combined multipurpose	43410658
DIRIN 230 A2B2E2K1 P3 R D	Combined multipurpose	43410632
DIRIN 230 A2B2E2K2 P3 R D	Combined multipurpose	43410640
DIRIN 230 HgP3 R D	Mercury vapours-dust, fumes and mist	43410634
DIRIN 230 A2B2E2K2HgP3 R D	Combined multipurpose, mercury vapor	43410654

Series DIRIN 300

Gas, dust and combined filters



Filter type	Details	Item no.
DUST FILTERS - Single pack		
DIRIN 300 MkII A2	Organic gas and vapours	43411530
DIRIN 300 MkII B2	Inorganic gas and vapours	43411531
DIRIN 300 MkII E2	Sulfur dioxide	43411532
DIRIN 300 MkII K2	Ammonia	43411533
FILTERS - Single pack		
DIRIN 300 A2P2 R D	Organic gas and vapours-dust, fumes and mist	43411601
DIRIN 300 B2P2 R D	Inorganic gas and vapours-dust, fumes and mist	43411602
DIRIN 300 E2P2 R D	Sulfur dioxide-dust, fumes and mist	43411603
DIRIN 300 K2P2 R D	Ammonia-dust, fumes and mist	43411604
DIRIN 300 A2B2P2 R D	Organic and inorganic gas and vapours, dust fumes and mist	43410111

Series DIRIN 500 | DIRIN 530

Gas, dust and combined filters



Filter type	Details	Item no.
FILTRI ANTIGAS - Single pack		
DIRIN 500 MkII A2	Organic gas and vapours	43411701
DIRIN 500 MkII B2	Inorganic gas and vapours	43411702
DIRIN 500 MkII E2	Sulfur dioxide	43411703
DIRIN 500 MkII K2	Ammonia	43411704
Dirin 500 AX	Low boiling organic compounds	43411892
DIRIN 500 AXB2	Low boiling organic and inorganic compounds	43411888
COMBINED FILTERS - Single pack		
DIRIN 500 MkII A2P3 R D	Organic gas and vapours-dust, fumes and mist	43411710
DIRIN 500 MkII B2P3 R D	Inorganic gas and vapours-dust, fumes and mist	43411711
DIRIN 500 MkII E2P3 R D	Sulfur dioxide-dust, fumes and mist	43411712
DIRIN 500 MkII K2P3 R D	Ammonia-dust, fumes and mist	4341 1713
DIRIN 500 MkII A2B2E2K2 P3 R D	Combined multipurpose	43411887
DIRIN 500 A2B2E2K2Hg P3 R D	Combined multipurpose, mercury vapours	43411894
SPECIAL GAS AND COMBINED FILTER - Single pack		
DIRIN 500 SX H2S CS2	Hydrogen sulfide and carbon disulfide	43410880
DIRIN 500 AXP3 R D	Low boiling organic compounds-dust, fumes and mist	43411840
DIRIN 500 A2B2P3 R D NBC	Organic and inorganic gas and vapours, dust fumes and mist	43411886
DIRIN 500 REAKTOR P3 R D	Radioactive iodine and methyl iodide, radionuclides	43411930
DIRIN 500 B2 HG P3 R D	Chlorine and mercury vapours, dust, fumes and mist	43411731
DIRIN 500 NO P3 R D	Nitrogen gas and vapours, dust, fumes and mist	43411716
DIRIN 500 CO60P3 R	Carbon monoxide (60 min), dust, fumes and mist	43411884
COMBINED MULTIPORPOSE FILTER - Single pack		
DIRIN 530 A2B2E2K2HgNO20COP3 R	Organic and inorganic gas and vapours, sulphure dioxide, ammonia, mercury vapours, nitrogen gas and vapours, carbon monoxide (20 min), dust, fumes and mist	43411885

Filter range selection chart



| How to choose a filter

The choice of the **respiratory protection filter** depends on the conditions of the environments in which it will be used and the inherent risks. When selecting the filter it is necessary to take into account protection factors, the type of filter used, the filtration capacity of the device and to analyze the environment conditions.

| Protection factor

It is necessary to know the concentrations and the occupational exposure limits related to the contaminants you want to protect from, on which ratio the minimum protection factor required will be determined (EN 529). The protection factor of the Personal Protective breathing equipment refers to intact and correctly used devices.

There are two main classifications:

1. Nominal Protection Factor (NPF): minimal level of protection the equipment has to demonstrate under laboratory conditions to gain approval to the appropriate class of the performance standard.












2. Assigned Protection Factor (APF): EN 529 acknowledges that laboratory performance may not be achievable in real use. Figures are taken from EN 529 and are the minimum level of protection calculated for 95% of trained wearers using the equipment in the workplace. The Assigned Protection Factor may vary from country to country. Figures quoted by **DPI** are those valid in Italy.

Device	Protection	NPF	APF
Half mask filtering facepiece	FFP1	4	4
	FFP2	12	10
	FFP3	50	30
Half mask with particulate filter	P1	4	4
	P2	12	10
	P3	48	30
Full face mask with particulate filter	P1	5	4
	P2	16	15
	P3	1000	400
Half mask with gas filter	--	50	30
Full face mask with gas filter	--	2000	400



Type of filter

Contaminants may be present in different forms, such as particulate gas or a combination of both. Therefore the type of filter that can offer greater protection for the risk must be chosen. According to EN 14387 and EN 143, the various types of filters are recognizable by distinctive colours as below:

Colour	Filter type	Main field of application
 Brown	AX	Gases and vapours of organic compounds with boiling point < 65 °C
 Brown	A	Gases and vapours of organic compounds with boiling point > 65 °C
 Grey	B	Inorganic gases and vapours e.g. chlorine, hydrogen sulphide, hydrogen cyanide
 Yellow	E	Sulphur dioxide, hydrogen chloride
 Green	F	Ammonia
 Black	CO	Carbon monoxide
 Red	Hg	Mercury vapours
 Blue	NO	Nitrous gases, including nitrogen monoxide
 Orange	Reaktor	Radioactive iodine including radioactive methyl iodide
 White	P	Particles, dust and mist
 Purple	SX	Special types on request

Class of filter

In addition to the type of filtering device, you must choose the appropriate class of the filter. Here below are the concentrations required by EN 14387 and EN 143 of toxic substances according to the filtration device class:

Type of filter	Filtration class	Maximum protection allowed
ANTIGAS FILTERS	1	0.1% vol
	2	0.5% vol
	3	1.0% vol
PARTICULATE FILTERS	1	4*T.L.V.
	2	12*T.L.V.
	3	50*T.L.V. (with half mask) / 100*T.L.V. (with full face mask)

Capacity Efficiency

N.B. Do not use filtering devices:

- In the atmosphere with oxygen deficiency (<17%);
- In poorly ventilated or confined spaces;
- In cases where types or concentrations of toxic substances are not known, or where you can run into immediate risk to health;
- At concentrations higher than those allowed by chosen protector devices;
- With substances that cannot be perceived;
- With asphyxiating substances.

You must leave the contaminated area and then remove the device if:

- Breathing becomes difficult;
 - You begin to perceive smells;
 - Dizziness, irritation or other events appear;
 - The device is damaged.
- Make also sure that there are no toxic gases if you use a particulate filter and, conversely, make sure that there are no contaminants in the form of particulate if you use a gas filter. The device has a filter efficiency only if correctly worn.

Lifetime of the filter

The lifetime of the filter **depends on the class and on the conditions of use**: several factors affect the duration of the device such as the humidity and the temperature of the inhaled air, the consumption of air by the user and the concentrations and combinations of toxic contaminants in the environment, affect the duration of the device. For these reasons it is not possible to specify a lifetime of the device if even one factor is unknown. Usually the breaking of the filter is shown by the perception of odours. With regards to particulate filters, the lifetime of the device is indicated by the filter clogging, resulting in an increase of respiratory resistance.

In the below table* are reported some of the main toxic contaminants, their **TLV-TWA** (Time Weighted Average) and **STEL** (Short term exposure limit) values and the type of device suggested.

WARNING: If TLV-TWA and STEL values are very low always USE full face masks.

*Table updated following the Decree of the Minister of Labour and Social Policy and the Minister of Health of 18 May 2021 transposing Directive No 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values in implementation of Directive 98/24/EC.

Occupational exposure limit values

N.CE(1)	CAS (2)	NAME OF CHEMICAL SUBSTANCE	LIMIT VALUES				NOTATION (3)	FILTER TYPE
			8 Hours (4)		Short-term (5)			
			mg/m ³ (6)	ppm (7)	mg/m ³ (6)	ppm (7)		
252-104-2	34590-94-8	(2-methoxymethylethoxy)propanol	308	50	–	–	Cute	A
208-394-8	526-73-8	1,2,3-trimethylbenzene	100	20	37,8	–	–	A
204-428-0	120-82-1	1,2,4-trichlorobenzene	15,1	2	–	5	Cute	A
202-436-9	95-63-6	1,2,4-trimethylbenzene	100	20	–	–	–	A
204-661-8	123-91-1	1,4-dioxane	73	20	60	–	Cute	A
203-400-5	106-46-7	1,4-dichlorobenzene	12	2	101,2	10	Cute	A
203-961-6	112-34-5	2-(2-butoxyethoxy)ethanol	67,5	10	–	15	–	A
203-906-6	111-77-3	2-(2-methoxyethoxy)ethanol	50,1	10	7,6	–	Cute	A
205-483-3	141-43-5	2-aminoethanol	2,5	1	333	3	Cute	A
203-933-3	112-07-2	2-butoxyethyl acetate	133	20	–	50	Cute	A
203-234-3	104-76-7	2-ethylhexan-1-ol	5,4	1	–	–	Cute	A
203-804-1	110-80-5	2-ethoxyethyl acetate	8	2	–	–	Cute	A
203-839-2	111-15-9	2-Etossietil acetato	11	2	–	–	Cute	A
202-704-5	98-82-8	Cumene	50	10	250	50	Cute	A
203-603-9	108-65-6	2-methoxy-1-methylethyl acetate	275	50	550	100	–	A
203-713-7	109-86-4	2-methoxyethanol	–	0,5	–	–	Cute	A
203-772-9	110-49-6	2-methoxyethyl acetate	–	0,5	–	–	Cute	A
203-403-1	106-49-0	p-toluidine	4,46	1	8,92	2	Cute	A
208-793-7	541-85-5	5-methylheptan-3-one	53	10	107	20	–	A
203-737-8	110-12-3	5-methylhexan-2-one	95	20	–	–	–	A
210-946-8	626-38-0	1-methylbutyl acetate	270	50	540	100	–	A
	620-11-1	3-Pentanol, acetate (8CI)(9CI)	270	50	540	100	–	A
205-500-4	141-78-6	Ethyl acetate	734	200	1468	400	–	A
204-662-3	123-92-2	Isopentyl acetate	270	50	540	100	–	A
203-745-1	110-19-0	Isobutyl acetate	241	50	723	150	–	A
204-658-1	123-86-4	N-butyl acetate	241	50	723	150	–	A
211-047-3	628-63-7	Pentyl acetate	270	50	540	100	–	A
	625-16-1	2-Butanol, 2-methyl-, acetate	270	50	540	100	–	A
203-300-1	105-46-4	sec-butyl acetate	241	50	723	150	–	A

N.CE(1)	CAS (2)	NAME OF CHEMICAL SUBSTANCE	LIMIT VALUES				NOTATION (3)	FILTER TYPE
			8 Hours (4)		Short-term (5)			
			mg/m ³ (6)	ppm (7)	mg/m ³ (6)	ppm (7)		
203-545-4	108-05-4	Vinyl acetate	17,6	5	35,2	10	–	A
200-662-2	67-64-1	Acetone	1210	500	–	–	–	AX
200-835-2	75-05-8	Acetonitrile	35	20	–	–	Cute	A
200-580-7	64-19-7	Acetic acid	25	10	50	20	–	EP2-BP2
201-177-9	79-10-7	Acrylic acid	29	10	59 (14)	20 (14)	Cute	A
233-113-0	10035-10-6	Hydrogen bromide	–	–	3,7	2	–	EP2-BP2
231-595-7	7647-01-0	Hydrogen chloride	8	5	15	10	–	EP2
231-634-8	7664-39-3	Hydrogen fluoride	1,5	1,8	2,5	3	–	EP2-BP2
200-579-1	64-18-6	Formic acid	9	5	–	–	–	E-B
231-714-2	7697-37-2	Nitric acid	–	–	2,6	1	–	EP2-BP2
231-633-2	7664-38-2	Orthophosphoric acid	1	–	2	–	–	P2
205-634-3	144-62-7	Oxalic acid	1	–	–	–	–	P2
201-176-3	79-09*4	Propionic acid	31	10	62	20	–	A
231-977-3	04/06/7783	Hydrogen sulphide	7	5	14	10	–	B
231-639-5	7664-93-9	Sulphuric acid	00,5	–	–	–	–	P2
205-480-7	141-32-2	Butyl acrylate	11	2	53	10	–	A
203-453-4	107-02-8	Acrylaldehyde	0,05	0,02	0,12	0,05	–	AX
203-470-7	107-18-6	Allyl alcohol	4,8	2	12,1	5	Cute	A
204-633-5	123-51-3	3-methylbutan-1-ol	18	5	37	10	–	A
200-521-5	61-82-5	Amitrole	0,2	–	–	–	–	AP2
231-635-3	7664-41-7	Ammonia, anhydrous	14	20	36	50	–	K
204-696-9	124-38-9	Carbon dioxide	9000	5000	–	–	–	-
231-195-2	05/09/7446	Sulphur dioxide	1,3	0,5	2,7	1	–	E
200-539-3	62-53-3	Aniline	7,74	2	19,35	5	Cute	AP3
231-131-3		Silver (soluble compounds)	0,01	–	–	–	–	P3
231-131-3	7440-22-4	Silver	0,1	–	–	–	–	P3
247-852-1	26628-22-8	Sodium azide	0,1	–	0,3	–	Cute	P2
		Barium (soluble compounds)	0,5	–	–	–	–	NO
233-272-6	10102-44-0	Nitrogen dioxide	0,96	0,5	1,91	1	–	P2
201-245-8	80-05-7	4,4'-isopropylidenediphenol	2 (12)	–	–	–	Cute	B
231-778-1	7726-95-6	Bromine	0,07	0,1	–	–	–	A
203-788-6	110-65-6	But-2-yne-1,4-diol	0,5	–	–	–	–	A
201-159-0	78-93-3	Butanone	600	200	900	300	–	A
203-905-0	111-76-2	2-butoxyethanol	98	20	246	50	–	B
206-992-3	420-04-2	Cyanamide	1	–	–	–	Cute	B
200-821-6	74-90-8	Hydrogen cyanide	1	0,9	5	4,5	Cute	BP3
205-792-3	151-50-8	Potassium cyanide	1	–	5	–	Cute	BP3
205-599-4	143-33-9	Sodium cyanide	1	–	5	–	Cute	A
203-806-2	110-82-7	Cyclohexane	350	100	–	–	–	A
203-631-1	108-94-1	Cyclohexanone	40,8	10	81,6	20	Cute	BP3
231-959-5	7782-50-5	Chlorine	–	–	1,5	0,5	–	A
200-871-9	75-45-6	Chlorodifluoromethane	3600	1000	–	–	–	A
200-830-5	75-00-3	Chloroethane	268	100	–	–	–	BP3

N.CE(1)	CAS (2)	NAME OF CHEMICAL SUBSTANCE	LIMIT VALUES				NOTATION (3)	FILTER TYPE
			8 Hours (4)		Short-term (5)			
			mg/m ³ (6)	ppm (7)	mg/m ³ (6)	ppm (7)		
200-663-8	67-66-3	Chloroform	10	2	–	–	Cute	AX
200-817-4	74-87-3	Chloromethane; methyl chloride	42	20	–	–	–	–
200-838-9	75-09-2	Dichloromethane; methylene chloride	175	50	353	100	Cute	AX
200-864-0	75-35-4	1,1-dichloroethylene	8	2	20	5	–	AX
		Metallic chromium, inorganic chromium compounds (II) and inorganic chromium compounds (III) (insoluble)	0,5	–	–	–	–	P2-P3
202-704-5	98-82-8	Cumene	100	20	250	50	Cute	A
207-069-8	431-03-8	Butanedione	0,07	0,02	0,36	0,01	–	A
202-425-9	95-50-1	1,2-dichlorobenzene	122	20	306	50	Cute	A
200-863-5	75-34-3	1,1-dichloroethane	412	100	–	–	Cute	AX
203-716-3	109-89-7	Diethylamine	15	5	30	10	–	AX
200-467-2	60-29-7	Diethyl ether	308	100	616	200	–	AX
202-981-2	101-84-8	Diphenyl ether	7	1	14	2	–	A
215-137-3	1305-62-0	Calcium dihydroxide	1 (13)	–	4 (13)	–	–	P2
204-697-4	124-40-3	Dimethylamine	3,8	2	9,4	5	Cute	K
200-843-6	75-15-0	Carbon disulphide	3	1	–	–	–	B
203-313-2	105-60-2	ε-caprolactam (dusts and vapours)	10	–	40	–	–	AP2
203-388-1	106-35-4	Heptan-3-one	95	20	–	–	–	A
205-563-8	142-82-5	Heptane	2085	500	–	–	–	A
203-767-1	110-43-0	Heptan-2-one	238	50	475	100	Cute	A
204-065-8	115-10-6	Dimethyl ether	1920	1000	–	–	–	AX
205-438-8	140-88-5	Ethyl acrylate	21	5	42	10	–	A
200-834-7	75-04-7	Ethylamine	9,4	5	–	–	–	K
202-849-4	100-41-4	Ethylbenzene	442	100	884	200	Cute	A
203-473-3	107-21-1	Ethane-1,2-diol	52	20	104	40	Cute	A
202-705-0	98-83-9	2-phenylpropene	246	50	492	100	–	A
1 203-632-7	108-95-2	Phenol	8	2	16	4	Cute	A
1 231-945-8	7782-41-4	Fluorine	1,58	1	3,16	2	–	B
		Inorganic fluorides (expressed as F)	2,5	–	–	–	–	B
203^481-7	107-31-3	Methyl formate	125	50	250	100	Cute	AX
232-260-8	7803-51-2	Phosphine	0,14	0,1	0,28	0,2	–	B
200-870-3	75-44-5	Phosgene	0,08	0,02	0,4	0,1	–	BP3
231-484-3	7580-67-8	Lithium hydride	–	–	0,02 (12)	–	–	P3
210-868-3	624-83-9	Methyl isocyanate	–	–	–	0,02	Cute	BP3
201-142-8	78-78-4	2-methylbutane	2000	667	–	–	–	AX
		Manganese and inorganic manganese compounds (expressed as manganese)	0,2(12) 05(13)	–	–	–	–	P2
		Mercury and divalent inorganic mercury compounds including mercuric oxide and mercury chloride (measured as mercury) (9)	0,02	–	–	–	Cute	P3
203-604-4	108-67-8	Mesitylene	100	20	–	–	–	A
201-297-1	80-62-6	Methyl methacrylate	–	50	–	100	–	A
200-659-6	67-56-1	Methanol	260	200	–	–	Cute	AX

N.CE(1)	CAS (2)	NAME OF CHEMICAL SUBSTANCE	LIMIT VALUES				NOTATION (3)	FILTER TYPE
			8 Hours (4)		Short-term (5)			
			mg/m ³ (6)	ppm (7)	mg/m ³ (6)	ppm (7)		
202-500-6	96-33-3	methyl acrylate; methyl propenoate	7	2	36	10	Cute	A
203-550-1	108-10-1	4-methylpentan-2-one	83	20	208	50	_	A
203-539-1	107-98-2	1-methoxypropan-2-ol	375	100	568	150	Cute	A
203-628-5	108-90-7	Chlorobenzene	23	5	70	15	_	A
233-271-0	10102-43-9	Nitrogen monoxide	2,5	2		_		NO
211-128-3	630-08-0	Carbon monoxide	23	20	117	100		CO
203-815-1	110-91-8	Morpholine	36	10	72	20	Cute	A
203-576-3	108-38-3	m-xylene	221	50	442	100	Cute	A
200-679-5	68-12-2	N,N-dimethylformamide	15	5	30	10	Cute	A
204-826-4	127-19-5	N,N-dimethylacetamide	36	10	72	20	Cute	A
207-343-7	463-82-1	Neopentane	3000	1000	_	_	_	AX
203-777-6	110-54-3	n-hexane	72	20	_	_	_	A
200-193-3	54-11-5	Nicotine	0,5	_	_	_	Cute	AP3
202-716-0	98-95-3	Nitrobenzene	1	0,2	_	_	Cute	A
201-188-9	79-24-3	Nitroethane	62	20	312	100	Cute	A
212-828-1	872-50-4	1-methyl-2-pyrrolidone	40	10	80	20	Cute	A
201-083-8	78-10-4	Tetraethyl orthosilicate	40	5	_	_	_	A
215-138-9	1305-78-8	Calcium oxide	1 (13)	_	4(13)	_	_	P2
216-653-1	1634-04-4	tert-butyl methyl ether	183,5	50	367	100	_	A
202^122-2	95-47-6	o-xylene	221	50	442	100	Cute	A
233-060-3	10026-13-8	Phosphorus pentachloride	1	_	_	_	_	B
203-692-4	109-66-0	Pentane	2000	667	_	_	_	AX
215-236-1	1314-56-3	Diphosphorus pentaoxide	1	_	_	_	_	P2
215-242-4	1314-80-3	Diphosphorus pentasulphide	1	_	_	_	_	A
		Inorganic lead and its compounds	0,15	_	_	_	_	A
203-808-3	110-85-0	Piperazine (dusts and vapours)(8)	0,1	_	0,3	_	_	B
	8003-34-7	Pyrethrins (purified of sensitising lactones)	1	_	_	_	_	AX
203-396-5	106-42-3	p-xylene	221	50	442	100	Cute	P2
203-585-2	108-46-3	resorcinol; 1,3-benzenediol	45	10	_	_	_	P2
231-978-9	7782-41-4	Dihydrogen selenide	0,07	0,02	0,17	0,05	_	BP3
222-995-2	3689-24-5	Sulfotep	0,1	_	_	_	Cute	AP3
262-967-7	61788-32-7	Terphenyl, hydrogenated	19	12	48	5	_	AP2
204-825-9	127-18-4	Tetrachloroethylene	138	20	275	40	Cute	A
200-262-8	56-23-5	Carbon tetrachloride	6,4	1	32	5	Cute	A
203-726-8	109-99-9	Tetrahydrofuran	150	50	300	100	Cute	A
203-625-9	108-88-3	Toluene	192	50	_	_	Cute	A
200-756-3	71-55-6	1,1,1-trichloroethane	555	100	1110	200	_	A
233-046-7	10025-87-3	Phosphoryl trichloride	0,064	0,01	0,12	0,02	MW	BP2
204-469-4	121-44-8	Triethylamine	8,4	2	12,6	3	Cute	A
200-875-0	75-50-3	Trimethylamine	4,9	2	12,5	5	_	B
200-240-8	55-63-0	Glycerol trinitrate	0,095	0,01	0,19	0,02	Cute	B
215-535-7	1330-20-7	Xylene, mixed isomers, pure	224	50	442	100	Cute	A

| Table notes

- (1) EC number: EC number (European Community) - numerical identifier of substances within the European Union.
- (2) CAS: Chemical Abstract Service Registry Number.
- (3) The notation of the term "skin" for an occupational exposure limit value indicates the possibility of absorption significant through the skin.
- (4) Measured or calculated in relation to a reference period of eight hours, as a time weighted average (TWA).
- (5) Short Term Exposure Limit (STEL). Limit value that must not be exceeded. The reference period is 15 minutes, unless otherwise specified.
- (6) mg/m: milligrams per cubic meter of air. For chemicals in the gaseous or vapor phase the limit value is expressed at 20°C and 101.3 kPa.
- (7) ppm: parts per million by volume of air (ml/m³).
- (8) The detection method must simultaneously detect dust and vapour.
- (9) When monitoring exposure to mercury and its inorganic divalent compounds, it is necessary to keep in mind the related biological monitoring techniques that complement the occupational exposure limit values.
- (10) When selecting an appropriate exposure monitoring method, limitations and interference should be taken into account potentials that may result from the presence of other phosphorus compounds.
- (11) Nebulization is defined as the thoracic fraction.
- (12) Inhalable fraction.
- (13) Respirable fraction.
- (14) Short term exposure limit value in relation to a 1 minute reference period.
- (15) During exposure monitoring it is appropriate to keep in mind the relevant biological monitoring values, as suggested by the Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).
- (16) According to the provisions of Article 3 of Directive no. 2019/1831 / EU the reference to cumene is deleted with effect from 20.

Disposable facepieces Mandil



ERGONOMIC



COMFORTABLE



LIGHT WEIGHT



Description

Disposable filtering facepieces (FFP) conforming to EN 149:2001+A1:2009 (E), including electrostatic test. Mandil is a complete range including **FFP1**, **FFP2** and **FFP3** class with or without exhalation valve, including some models with a charcoal layer against nuisance odours. Each class is identified by different colours of straps and exhalation valves (yellow, blue and red, respectively), making identification easier.

Mandil models marked with the COMBI indication ensure the elimination of unpleasant odours (they do not ensure protection from toxic gases or vapours).

The filtering facepieces are marked with the NR marking, i.e. they are disposable and cannot be used for more than one work shift (8 hours), after being exposed to aerosol.



Selling unit 20 packs

Device	Protection	NPF	APF
Half mask filtering facepiece	FFP1	4	4
	FFP2	12	10
	FFP3	50	30

Protection	Filtering efficiency	Penetration
FFP1	80%	<20%
FFP2	94%	<6%
FFP3	99%	<1%

Features

- Thermoformed, multilayer anatomical shell that allows progressive filtration and comfortable contact with the skin.
- Double elastic harness that allows a uniform adherence to the face.
- Presence of an adjustable nose clip, for a better seal on the face.
- High compatibility with glasses.



| Mandil FFP1

FFP1 protection class, made easily recognizable by the yellow colour of nose clip.

Suitable when concentration is not exceeding 4 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 4. Nominal Protection Factor (NPF) determined by laboratory testing is 4.

Pack:
20 pcs (selling unit 400 pcs)

Item no.:
44291193



| Mandil FFP1/V

Protection class FFP1, made easily recognizable by the yellow colour of nose clip and the exhalation valve.

Suitable when concentration is not exceeding 4 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 4. Nominal Protection Factor (NPF) determined by laboratory testing is 4.

Equipped with an exhalation valve.

Pack:
12 pcs (selling unit 240 pcs)

Item no.:
44291195



| Mandil FFP2

FFP2 protection class made easily recognizable by the blue colour of nose clip. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10. Nominal Protection Factor (NPF) determined by laboratory testing is 12.

Pack:
20 pcs (selling unit 400 pcs)

Item no.:
44291199



Mandil FFP2/V

FFP2 Protection class made easily recognizable by the blue colour of nose clip and the exhalation valve. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10. Nominal Protection Factor (NPF) determined by laboratory testing is 12. Equipped with an exhalation valve.

Pack:
12 pcs (selling unit 240 pcs)

Item no.:
44291201



Mandil FFP2/V Combi

FFP2 protection class, made easily recognizable by the blue colour of nose clip and the exhalation valve. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10. Nominal Protection Factor (NPF) determined by laboratory testing is 12. Equipped with an exhalation valve. Equipped with a charcoal layer against unpleasant odours.

Pack:
12 pcs (selling unit 240 pcs)

Item no.:
44291203



Mandil FFP3/V

FFP3 protection class, made easily recognizable by the red colour of nose clip, the exhalation valve and the adjustment buckles. Suitable when concentration is not exceeding 30 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 30. Nominal Protection Factor (NPF) determined by laboratory testing is 50. Equipped with an exhalation valve. Equipped with an elastic textile harness and four adjustment buckles.

Pack:
5 pcs (selling unit 100 pcs)

Item no.:
44291205

Disposable facepieces Mandil K



ERGONOMIC



COMFORTABLE



LIGHT WEIGHT



Description

Disposable filtering facepieces (FFP) conforming to EN 149:2001+A1:2009 (E), including electrostatic test. Mandil is a complete range including **FFP1**, **FFP2** and **FFP3** class with or without exhalation valve, including some models with a charcoal layer against nuisance odours. For the protection against solid (dust) and liquid (mist) particulates. Each class is identified by different colours of straps and exhalation valves (yellow, blue and red, respectively), making identification easier.

Mandil K models marked with the COMBI indication ensure the elimination of unpleasant odors (they do not ensure protection from toxic gases or vapors).

The **NR D** markings on **MANDIL K** stand for:

- **NR** = not be used for more than a work shift (max 8 hours) after being exposed to aerosol.
- **D** = passed Dolomite clogging test, suitable for use in very dusty environment.



Selling unit 20 packs

Device	Protection	NPF	APF
Half mask filtering facepiece	FFP1	4	4
	FFP2	12	10
	FFP3	50	30

Protection	Filtering efficiency	Penetration
FFP1	80%	<20%
FFP2	94%	<6%
FFP3	99%	<1%

Features

- Thermoformed, multilayer anatomical shell that allows progressive filtration and comfortable contact with the skin.
- Low breathing resistance for more comfortable feeling to wearer.
- The facepiece is easy donned and fits any face.
- Welding elastic strap - more resistant and no metal material.
- Latex free material to avoid irritation.
- Exhalation valve to reduce hot air build-up and to allow easy breathing in hot/humid environments.
- Covered with active charcoal layer against nuisance organic vapours (COMBI models).
- Face-contoured seal and easy adjustable buckle system to offer comfortable fitting (Mandil K+ FFP3/V)
- High compatibility with glasses.



| Mandil K FFP1 NR D

FFP1 protection class, made easily recognizable by the yellow colour of straps. Suitable when concentration is not exceeding 4 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 4.

Nominal Protection Factor (NPF) determined by laboratory testing is 4.

Pack:
20 pcs (selling unit 400 pcs)

Item no.:
44291250



| Mandil K FFP1/V NR D

Protection class FFP1, made easily recognizable by the yellow colour of straps and exhalation valve.

Suitable when concentration is not exceeding 4 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 4. Nominal Protection Factor (NPF) determined by laboratory testing is 4.

Equipped with an exhalation valve.

Pack:
12 pcs (selling unit 240 pcs)

Item no.:
44291251



| Mandil K FFP2 NR D

FFP2 protection class made easily recognizable by the blue colour of straps. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10.

Nominal Protection Factor (NPF) determined by laboratory testing is 12.

Pack:
20 pcs (selling unit 400 pcs)

Item no.:
44291253



Mandil K FFP2/V NR D

FFP2 Protection class made easily recognizable by the blue colour of straps and exhalation valve. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10. Nominal Protection Factor (NPF) determined by laboratory testing is 12. Equipped with an exhalation valve.

Pack: 12 pcs (selling unit 240 pcs) **Item no.:** 44291254



Mandil K FFP2/V COMBI NR D

FFP2 protection class made easily recognizable by the blue colour of straps and exhalation valve. Suitable when concentration is not exceeding 10 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 10. Nominal Protection Factor (NPF) determined by laboratory testing is 12. Equipped with an exhalation valve. Equipped with a special charcoal layer against unpleasant odours.

Pack: 12 pcs (selling unit 240 pcs) **Item no.:** 44291255



Mandil K FFP3/V NR D

FFP3 protection class, made easily recognizable by the red colour of exhalation valve and adjustment buckles. Suitable when concentration is not exceeding 30 times the Occupational Exposure Limit because the Assigned Protection Factor (APF) is 30. Nominal Protection Factor (NPF) determined by laboratory testing is 50. Equipped with a red exhalation valve.

Pack: 12 pcs (selling unit 240 pcs) **Item no.:** 44291257

Available MANDIL K + FFP3 V NR D With a contoured facial seal and easy red adjustable buckles for a comfortable fitting.

Pack: 5 pcs (selling unit 100 pcs) **Item no.:** 44291258

Insulating respirators

Self-Contained breathing apparatuses



TOTAL PROTECTION



COMFORTABLE



RELIABLE



Description

DIABLO range includes self-contained open circuit breathing apparatuses with full face mask and demand valve, in compliance with EN 137. **The Diablo Advanced and Diablo Industrial are Type 1**, for general use, and also available in the Type 2 version, which positively passed the flash-over test.

This test involves an exposure of the device to heat and flame for 10 seconds at 900°, followed by a drop. During and after the test the apparatus continues to work granting positive pressure inside the mask and maintaining self extinguishing feature. **The Diablo Advanced (Type 1) and Diablo Industrial (Type 1)** breathing apparatus are available, on request, for use in a potentially explosive atmosphere. **The Diablo Industrial MM** breathing apparatus is also **MED** (for naval use).

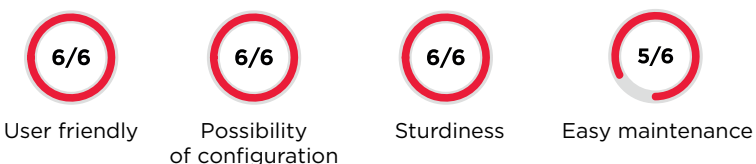


Diablo Advanced

- **Anatomic Back-Pack** made of self-extinguishing synthetic resin;
- **Body harness** made of a self-extinguishing composite textile;
- **Black shoulders** with yellow-printed name “DIABLO” identify a type 1 SCBA. Black shoulders with red-printed name “DIABLO” identify a type 2 SCBA;
- Padded belt available on demand;
- **Compensated pressure reducer C2000®**, which allows a free flow of more than 1000 l/min;
- **Chest block**, compact and light, connected to a flexible hose, including pressure gauge and warning whistle;
- **Pressure gauge** extremely user-friendly, thin and light;
- **Medium Pressure Calibration Rubber Seal**, fixed to Pressure Reducer with stainless steel. Panduit straps;
- **Two hoses only**, for medium and high pressure, easy to maintain and replace;
- **Single-stage type warning acoustic whistle**, fitted with a self-test device;
- The **Demand valve** is of the self-positive type, i.e. it is in a standby mode and switches automatically to positive pressure at the first breath without any waste of air. Available with both threaded connector M45x3 or plug-in;
- **Positive Pressure full face mask** C607 SP/A, SFERA SP/A and IDEA SP/A, made of either EPDM or Silicone rubber.

Moreover, **DIABLO ADVANCED** is available in three additional configurations which allow the connection to a second operator (OUT), a second source (IN) or to both (IN&OUT).

Performances:



New



E550 Demand valve

- Compact and perfectly balanced demand valve.
- High performance and small in size.
- Reliable product with stable performance over time.
- With threaded connector M45x3. Compatible with all Diablo SCBA and with C607-SFERA-IDEA full face mask.
- Available plug-in system for IDEA full face mask, which makes it easy to attach and detach, even with the mask on.

Configurations Diablo Advanced

Below some DIABLO ADVANCED configurations with **E550 Demand valve**.



Diablo Advanced with C607 SP/A DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Advanced E550, C 607 SP/A EPDM DIN 300: 43420300
- Diablo Advanced E550, C 607 SP/A Silicone DIN 300: 43420310



Diablo Advanced with Sfera SP/A DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Advanced E550, Sfera SP/A EPDM DIN 300: 43421300
- Diablo Advanced E550, Sfera SP/A Silicone DIN 300: 43421310



Diablo Advanced with IDEA SP/A or PLUG-IN DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Advanced E550, IDEA SP/A EPDM DIN 300: 43520300
- Diablo Advanced E550, IDEA SP/A Silicone DIN 300: 43520310
- Diablo Advanced E550, IDEA PLUG-IN EPDM DIN 300: 43521300
- Diablo Advanced E550, IDEA PLUG-IN Silicone DIN 300: 43521310

| Configurations Diablo Advanced

Below some DIABLO ADVANCED configurations with **E400 Demand valve**.



| Diablo Advanced with C607 SP/A DIN 300

(without cylinder)

Item no.:

- Diablo Advanced, C 607 SP/A FE (Type2) DIN 300: 43429033
- Diablo Advanced, C 607 SP/A w/secondary outlet DIN 300: 43429011
- Diablo Advanced, C 607 SP/A PLUG-IN DIN 300: 43429058



| Diablo Advanced with Idea SP/A DIN 300

(without cylinder)

Item no.:

- Diablo Advanced with IDEA SP/A FE (Type 2) DIN 300: 43520004
- Diablo Advanced with Idea SP/A w/secondary outlet DIN 300: 43520002



| Diablo Advanced with Sfera SP/A DIN 300

(without cylinder)

Item no.:

- Diablo Advanced with Sfera SP/A DIN 300: 43429108
- Diablo Advanced with Sfera SP/A FE (Type 2) w/secondary outlet DIN 300: 43429122
- Diablo Advanced with Sfera SP/A PLUG IN DIN 300: 43429131
- Diablo Advanced with Sfera SP/A FE (Type 2) PLUG IN DIN 300: 43429143



| Cylinders Diablo Industrial/Advanced

Steel cylinder - 6 L x 300 bar DIN;

Item no.: 42000760

Composite cylinder with PET liner - 6,8 L x 300 bar DIN, unlimited life (NLL);

Item no.: 42000892

Steel cylinder - 7 L x 200 bar DIN;

Item no.: 42000780



| Diablo Industrial MM

- The light weight and mechanically resistant **carrying frame**, is made of self extinguishing fibre glass reinforced synthetic resin and is designed in order to ergonomically fit the shape of the body.
- The **harness** is made of self-extinguishing synthetic woven fabric.
- The **buckles** are flame resistant and quickly adjustable.
- **Black shoulders** with yellow-printed name “DIABLO” identify a type 1 SCBA. Black shoulders with red-printed name “DIABLO” identify a type 2 SCBA;
- In the **C2000/2** balanced type pressure reducer (patented) the number of moving components was reduced by 50%. The result is an exceptional response time, an extremely compact medium pressure cycle, smooth breathing and overall performance stability.
- The **pressure gauge** is connected to the pressure reducer through a high pressure hose.
- The **audible warning device** is mounted on the pressure reducer. It is of the two-stage-type, i.e. activated by high pressure and operated by medium pressure. Its unique design also allows an automatic testing of the correct functioning (patented).
- The **demand valve** is of the self-positive type, i.e. it is in a standby mode and switches automatically to positive pressure at the first breath without any waste of air. Available with both threaded connector M45x3 or plug-in;
- **Full face masks** C607 SP/A, SFERA SP/A and IDEA SP/A available in EPDM or Silicone rubber.

Performances:



User friendly



Possibility of configuration



Sturdiness



Easy maintenance

New



| E550 Demand valve

- Compact and perfectly balanced demand valve.
- High performance and small in size.
- Reliable product with stable performance over time
- With threaded connector M45x3. Compatible with all Diablo SCBA and with C607-SFERA-IDEA full face mask.
- Available plug-in system for IDEA full face mask, which makes it easy to attach and detach, even with the mask on.

| Configurations Diablo Industrial MM

Below some DIABLO INDUSTRIAL MM configurations with **E550 Demand valve**.



| Diablo Industrial MM with C607 SP/A DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Industrial MM E550, C 607 SP/A EPDM DIN 300: 43425300
- Diablo Industrial MM E550, C 607 SP/A Silicone DIN 300: 43425310



Diablo Industrial MM with Sfera SP/A DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Industrial MM E550, Sfera SP/A EPDM DIN 300: 43426300
- Diablo Industrial MM E550, Sfera SP/A Silicone DIN 300: 43426310



Diablo Industrial MM with IDEA SP/A or PLUG-IN DIN 300 Type 2 (without cylinder)

Item no.:

- Diablo Industrial MM E550, IDEA SP/A EPDM DIN 300: 43522300
- Diablo Industrial MM E550, IDEA SP/A Silicone DIN 300: 43522310
- Diablo Industrial MM E550, IDEA PLUG-IN EPDM DIN 300: 43523300
- Diablo Industrial MM E550, IDEA PLUG-IN Silicone DIN 300: 43523310

Configurations Diablo Industrial

Below some DIABLO INDUSTRIAL configuration with **E400 Demand valve**.



Diablo industrial MM with C607 SP/A

(without cylinder)

Item no.:

- Diablo Industrial MM, C 607 SP/A DIN300 (with quick couplings): 4342 5120
- Diablo Industrial MM, C 607 SP/A w/secondary outlet DIN300 (with quick couplings): 43425155



Diablo industrial MM with C607 SP/A TYPE 2 MED

(with cylinder)

Item no.:

- Diablo Industrial MM MED DIN300 TYPE 2, C607 SP/A, threaded demand valve without quick couplings, with 6 l x 300 bar steel cylinder: 43422160
- Diablo Industrial MM MED DIN300 TYPE 2, C607 SP/A, threaded demand valve with quick couplings, with 6 l x 300 bar steel cylinder: 43422161
- Diablo Industrial MM MED DIN300 TYPE 2, C607 SP/A, threaded demand valve without quick couplings, with 7 l x 200 bar steel cylinder: 43422162
- Diablo Industrial MM MED DIN300 TYPE 2, C607 SP/A, threaded demand valve with quick couplings, with 7 l x 200 bar steel cylinder: 43422163



Diablo Industrial MM with SFERA SP/A

(without cylinder)

Item no.:

- Diablo Industrial MM, Sfera SP/A (with quick couplings, DIN 300): 43426120
- Diablo Industrial MM, Sfera SP/A PLUG IN DIN300 (with quick couplings): 43426123
- Diablo Industrial MM, Type 2 with Sfera SP/A, PLUG IN DIN 300 (with quick couplings): 43426131

Emergency SCBA



TOTAL PROTECTION



COMFORTABLE



RELIABLE



Description

DIABLO self-contained breathing apparatuses designed for emergency situations when fast evacuation is required. Complying with EN 137 Norm. **Diablo PI** has a carrying bag, while **Diablo PIZ** is with back-pack. Diablo PIZ is available for use in a potentially explosive atmosphere.



Diablo PI

Compressed air self-contained breathing apparatus for emergency situations, with **carrying bag**.

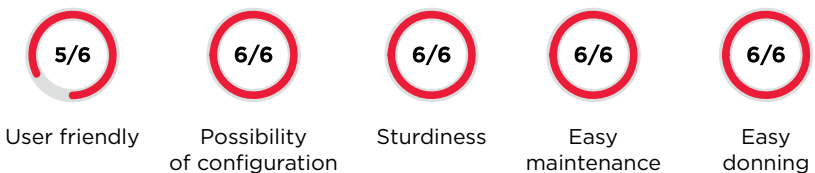
Main components:

- **Harness** made of synthetic, self-extinguishing, fibre with comfortable buckles.
- Balanced type **pressure reducer C2000/2**, made of chrome plated brass, including a safety valve, a warning device and a filter stopping particulate impurities.
- Photoluminescent **pressure gauge** covered by a rubber protective cap, connected to the pressure reducer.
- The **demand valve** is of the self-switching to positive pressure type. It keeps itself in a stand-by position until the first breath and then it switches automatically to positive pressure at the first breathing act.
- Wide vision **C607 SP/A, SFERA SP/A or IDEA SP/A full face mask**, designed to operate in positive pressure and equipped with a speech diaphragm.
- The cylinder and the mask, when not in use, are stored in a flame retardant, red coated fabric bag which has a light reflecting band for easy identification.

Cascade Configurations:

- DIABLO PI is also available in an additional configuration to allow the connection to an external air supply (configuration IN) by means of a "T" connection hose.
- In DIABLO PI the outlet for the connection to the external air supply is on the front of the harness strap.
- The MP connection hose is equipped with a back vent as to prevent the activation of the audible warning device by the air being discharged from the valve.

Performances:



| Configurations Diablo PI



| **Diablo PI with carrying bag, C607 SP/A EPDM** (without cylinder)

- With quick coupling, DIN 200 without cylinder: 43427110
- Without quick coupling, DIN 200 without cylinder: 43427111



| **Diablo PI with carrying bag, IDEA SP/A EPDM** (without cylinder)

Without quick coupling, DIN 200 without cylinder: 43527005



| **Diablo PIZ**

Compressed air self-contained breathing apparatus for emergency situations, with **back-pack**.

Main components:

- **Harness** made of synthetic, self-extinguishing, fibre with comfortable buckles.
- Balanced type **pressure reducer C2000/2**, made of chrome plated brass, including a safety valve, a warning device and a filter stopping particulate impurities.
- Photoluminescent **pressure gauge** covered by a rubber protective cap, connected to the pressure reducer.
- The **demand valve** is of the self-switching to positive pressure type. It keeps itself in a stand-by position until the moment of first breath and then it switches automatically to positive pressure at the first breathing act.
- Wide vision **C607 SP/A, SFERA SP/A or IDEA SP/A full face mask**, designed to operate in positive pressure and equipped with a speech diaphragm.
- The frame is light-weight and resistant, made of synthetic resin designed to fit the shape of the body and to evenly distribute the weight of the apparatus on the wearer's back.

Diablo Piz is suitable for use in explosive environment.

Performances:



User friendly



Possibility of configuration



Sturdiness



Easy maintenance



Easy donning

| Configurations Diablo PIZ



| **Diablo PIZ, with back pack, C 607 SP/A EPDM, DIN 300**

(without cylinder)

- Diablo PIZ with back pack, C 607 SP/A with quick couplings: 43427122
- Diablo PIZ with back pack, C 607 SP/A without quick couplings: 43427123



| **Diablo PIZ with back pack, IDEA SP/A EPDM, DIN 300**

(without cylinder)

Diablo PIZ with back pack, IDEA SP/A without quick couplings: 43525005

| Cylinders

| **Diablo PI**

Steel cylinder-3 L x 200 bar-head valve outlet to EN144

Item no.: 42000690

| **Diablo PIZ**

- Steel cylinder - 3 L x 200 bar - head valve outlet to EN 144

Item no.:42000690

- Composite cylinder - 3 L x 300 bar DIN - head valve outlet to EN 144, unlimited life (NLL)

Item no.: 42000890

| Accessories



| IDEA SP/A

Panoramic vision positive pressure full face mask (class 3), with antiscratch visor, speech diaphragm and connector to EN 148/3 (M 45x3) (universal size), for use with **E400** or **E550** demand valve. Available in **EPDM** or **Silicone** rubber.

Silicone ● EPDM ●

Item no.:

Silicone: 43334003 • EPDM: 43334000



| IDEA SP/A ESA - PLUG-IN

Panoramic vision positive pressure full face mask in **EPDM** and **Silicone**, with antiscratch visor, speech diaphragm and PLUG-IN adapter for use with **E400** AP/Q plug-in demand valve or PLUG-IN system for use with **E550** PLUG-IN demand valve.

Silicone ● EPDM ●

Item no. ESA:

Item no. PLUG-IN:

Silicone: 43334005 • EPDM: 43334002

Silicone: 43334101 • EPDM: 43334100



| Sfera SP/A

Extra wide vision positive pressure full face mask (class 3), with antiscratch visor, speech diaphragm and connector to EN 148/3 (M 45x3) (universal size), for use with **E400** or **E550** demand valve. Available in **EPDM** or **Silicone** rubber.

Silicone ● EPDM ●

Item no.:

Silicone: 43333001 • EPDM: 43333004



| Sfera SP/A ESA

Extra wide vision positive pressure full face mask (class 3), in **EPDM** and **Silicone**, with antiscratch visor, speech diaphragm, plug-in adapter and maintenance tool for use with plug-in demand valve E400 AP/Q (universal size).

Silicone ● EPDM ●

Item no.:

Silicone: 43332024 • EPDM: 43332026



| C 607 SP/A

Compact positive pressure full face mask with (class 3), speech diaphragm and connector to EN 148/3 (M 45x3) (universal size), for use with **E400** or **E550** demand valve. Available in **EPDM** or **Silicone** rubber.

Silicone ● EPDM ●

Item no.:

Silicone: 43333008 • EPDM: 43333007



| C 607 SP/A ESA

Compact positive pressure full face mask (class 3), in **EPDM** and **Silicone**, with speech diaphragm and plug-in adapter for use with plug-in demand valve E400 AP/Q (universal size).

Silicone ● EPDM ●

Item no.:

Silicone: 43332022 • EPDM: 43332028



| C 607 SP/A Fast

Full face mask C 607 SP/A for use with Sicor VFR2000 helmet only. The mask has two very strong and laterally arranged hooks, fixed to the visor frame of the mask by means of a pin. This coupling system has no effect on the static and **dynamic performance** of the mask. Leak tests, carried out at the design stage in accordance to EN 136, were positive, demonstrating fully equivalent performance between this mask and the one with the harness. The traction resistance of the fastening system has been positively tested according to DIN 58610 (500N for 10s). Complying with EN 136 (class 3).

Item no.: 43332019



| Swov (SWITCH OVER VALVE)

SWOV is an automatic switching device of the air feeding source, from air network to a back-up breathing apparatus (SEKUR NAVY MASK) which intervenes in case the air line stops or its pressure significantly drops. The device activates automatically if you stop feeding from the air line, or if its pressure is lowered to such a low value to make breathing difficult. Its activation is announced by an **acoustic signal** with a sound over 90 dB. If the feeding conditions from the net are restored to their normal values, the SWOV automatically excludes the second source and returns in a **stand-by position** (warning signal is switched off). Complying with EN 14593-1.

Item no.: 43442017



| Rescue kit

Rescue kit consisting of half mask and demand valve with carrying bag. **Connection to Diablo** secondary outlet. With 80 cm length MP hose.

Item no.: 43430060



| Plug-in demand valve

E 400 demand valve can be equipped with a plug-in system (E 400 APQ version), conforming to **DIN 58600**. The connection is obtained simply by pushing the demand valve into the mask connector until the typical **“click”** is heard, while the disconnection, for safety reasons, requires the pressure on two stainless steel buttons. The accidental disconnection is furthermore prevented by the presence of two spring loaded plastic winglets which inhibit access to the steel buttons unless they are intentionally displaced. After connection, a simple check by gently pulling and rotating of the demand valve will confirm safe engagement. During use the demand valve will be free to pivot around its axis reaching the optimal orientation, for an increased comfort of the wearer. With 45 cm length MP hose.

Item no.: 42000838



| Plug-in adaptor

Always necessary to connect a Sfera SP/A or C607 SP/A full face mask, in case of use with a plug-in demand valve. The adaptor must be screwed into the full face mask threaded connector and properly tightened up.

Item no.: 42010655



| Carrying case

Carrying case in synthetic resin **for single-cylinder breathing apparatus**.

Item no.: 43430992



| Wall cabinet

Wall cabinet, made of steel, thickness of 0,8 mm. **For single cylinder breathing apparatus**. The cabinet has a plexiglass window, that allows the inspection. Dimensions: mm 300x400x850x 850 h.

Item no.: 44321015

| Airline breathing apparatuses

Complete range of devices for the supply of breathable air connectable to all networks fed by compressed air or to large capacity cylinders equipped with pressure reducer.



| Diablo Amiante

Diablo Amiante is a positive pressure breathing device with external compressed air supply, fitted with demand valve and full face mask. Besides, a dust filter with a P3 efficiency allows to enter or to leave the contaminated area. The **E 400 AP/A** demand valve is of the self-switching to positive pressure type, fits the mask by means of a threaded connection M45x3. Air flow rate (more than 400 l/m) combined to a lower pressure, leads to a **better comfort** and a **higher protection level**.

The pressure of the breathable air supply (EN 12021) has to be in the range between 5 and 8 bar. The use of the device in negative pressure (using the auxiliary filter P3) is possible only in case of sufficient oxygen concentration (>17%).

Item no.:

- With full face mask Sfera ASB Epdm: 43442060
- With full face mask Sfera ASB Silicone: 43442061
- Dust filter ASB P3 R (pack of 10 pcs): 43401008



| Airline FC

Constant flow type air supply for use with masks with EN 148/1 attachment. **Airline FC** consists of: continuous flow regulator adjustable by means of a turning knob; synthetic material belt; corrugated rubber hose with swivel, EN 148/1 thread and overpressure valve; quick release couplings.

The pressure of the breathable air supply (EN 12021) has to be between 5 and 8 bar. Auxiliary fitting available on request (it allows the use of pneumatic tools). The apparatus is supplied inside a shock resistant plastic carrying case for safe storage. Complying with EN 14594.

N.B. SELECTA or SFERA full face mask has to be ordered separately.

Item no.:

- Without auxiliary fitting: 43442050
- With auxiliary fitting: 43442051



| Airline AP/A

Overpressure, demand valve type apparatus, for operation with C607 SP/A or **SFERA SP/A full face masks**. **Airline AP/A** consists of: self positive demand valve E 400 AP/A; synthetic material belt; medium pressure hose.

The pressure of the breathable air supply (EN 12021) has to be between 5 and 8 bar. Auxiliary fitting available on request (it allows the use of pneumatic tools). The apparatus is supplied inside a shock resistant plastic carrying case for safe storage. Complying with EN 14593-1.

N.B. C607 SP/A or SFERA SP/A full face mask has to be ordered separately.

Item no.:

- Without auxiliary fitting: 43442018
- With auxiliary fitting: 43442019

Accessories



Filter for network air supply

This filter can be applied on the compressed air network after the condensation filter and near the **AIRLINE**. It is composed of a strong metal container enclosing two P3 aerosol filters and an active charcoal cartridge. This blocks fine particles, odours or any toxic gas present in the compressed air. These filters are easily replaceable.

Item no.:
43442032



Air Clean 3

3-level combined filter (with submicro and active charcoal filter) for compressed air on assembly points or from compressors whose working order is not permanently monitored and which are not regularly maintained.

- For wall mounting.
- For up to 2 users or accessory

Item no.:
44200071



Air Clean 2

2-level combined filter (with submicro-and active charcoal filter) for precleaned air from factory compressed air plant or compressors in good working order with regular maintenance. With automatic condensate outlet and integrated pressure gauge. Equipped with high-quality pressure reducer or respective regulator, for necessary operating pressure of the respiratory protective device.

- For wall mounting.
- For up to 2 users or accessory.

Item no.:
44200070



T Connection

T connection between air supply and medium pressure hose (for more users).

Warning: always check before use that the stated minimum requirements are guaranteed: air flow 600 l/m, pressure 6/8 bar.

Item no.:
43431018



MP Hose (8x17)

Medium **pressure hose** 8x17 (complete with couplings for connection between air supply and AIRLINE).

Item no.:

Long 10 m.: 43430962 • Long 20 m.: 43431058 • Long 30 m.: 43430969
Long 40 m.: 43430970 • Long 50 m.: 43430971

Portable air-supply systems

Isolating compressed air breathing apparatuses equipped with large capacity cylinders.



Sèkur Car Diablo 8000/2

Two-cylinder trolley, compact, consisting of one metal framed trolley, complete with a second inlet, handles and a carrying case containing a full face mask (C607 SP/A or SFERA SP/A), a demand valve AP/A-L (automatic) and a belt with buckles; a revolving spool with 50 m hose NL 8 X 17 (resistant to oils and solvents) with swivelling pneumatic connection and quick couplings; one pressure reducer **DIABLO C2000**, complete with pressure gauge, warning device, connectors to cylinders by means of steel coil wrapped hose; two-outlet manifold according to EN 144-2 for independent cylinder refill on the trolley; a quick release coupling for connection to the revolving spool.

Fitted with 2 cylinders 18 L 220 bar or 2 steel cylinders 6 L 300 bar or 2 composite cylinders 6,8 L/9 L 300 bar.

Cylinders, as well as the pneumatic circuit necessary for the reduction of the high pressure, are mounted on a trolley equipped with rubber wheels. This equipment assures the highest protection level of the respiratory tracts, thanks to the positive pressure. Besides, the swivel connector on the air supply prevents interruption during winding and unwinding of the hose on the reel.

Complying with EN 14593-1.

Item no.:

- With C 607 SP/A EPDM DIN 300 without cylinders: 43421082
- With C 607 SP/A EPDM with 2 cylinders 18 L 220 bar: 43421067



Cylinders Sèkur Car Diablo 8000/2

- Composite cylinder with aluminium liner - 6,8 L x 300 bar DIN, limited life 15 years (LL15)

Item no.: 42000815

- Composite cylinder with PET liner - 9 L x 300 bar DIN, unlimited life (NLL)

Item no.: 42000896

- Steel cylinder - 18 L x 220 bar - head valve to EN 144

Item no.: 42000829

- Steel cylinder - 40 L x 200 bar - head valve to EN 144

Item no.: 42000902



| Second operator equipment

Second operator equipment consisting of: one metal framed trolley, with two rubberized wheels, a carrying case containing a full face mask SFERA SP/A, a demand valve AP/A-L (automatic), a belt with buckles and a connection hose NL 8x17 with quick release couplings (for connection to the second inlet of the main trolley); revolving spool with 50 m hose NL 8X17 with swivelling pneumatic connection and quick couplings.

Item no.:

43421052

| Accessories for second operator connection



| MP Hose (8x17)

Medium pressure hose complete with couplings.

Item no.:

Long 10 m.: 43430962 • Long 20 m.: 43431058

Long 30 m.: 43430969 • Long 40 m.: 43430970 • Long 50 m.: 43430971



| Airline AP/A

Overpressure, demand valve type apparatus, for operation with C607 SP/A or SFERA SP/A full face masks.

Airline AP/A consists of:

- Self positive demand valve E 400 AP/A;
- Synthetic material belt;
- Medium pressure hose. The pressure of the breathable air supply (EN 12021) has to be between 5 and 8 bar.
- Auxiliary fitting available on request (it allows the use of pneumatic tools).
- The apparatus is supplied inside a shock resistant plastic carrying case for safe storage.
- Complying with EN 14593-1.
- Without auxiliary fitting.

Item no.:

43442018

Fresh air hose breathing apparatuses



Description

Respirators recommended for use in confined spaces.



A-Type fresh air breathing apparatus with filter

Perfect for application without fixed or limited (compressed air cylinders) compressed air supply.

For use without blower, consisting of:

- Durable and flexible breathing hose;
- Rotating connection piece with claw coupling;
- Waist belt and shoulder strap in high-class leather;
- Strainer with steel cable;
- Snap hook and plug-in iron piece;
- Packed in dust-proof storage case.
- It can be used with full face masks with standard thread EN 148/1 (SELECTA - SFERA).

N.B. Masks and hoses to be ordered separately.

Item no.:
44370504



A-Type fresh breathing apparatus for use with blower

Perfect for application without fixed or limited (compressed air cylinders) compressed air supply.

For use with blower, consisting of:

- Durable, flexible and seamless breathing hose with overflow valve;
- Comfort respiration in connection with a blower for fresh air hose breathing apparatus;
- Rotating connection component with claw coupling;
- Waist belt and shoulder strap in high-class leather;
- Packed in dust-proof storage case;
- It can be used with full face masks with standard thread EN 148/1 (SELECTA - SFERA).

N.B. Masks, blower and hoses to be ordered separately.

Item no.:
44370505



Blower for A-Type fresh breathing apparatus

For use with fresh air hose breathing apparatus, consisting of:

- Robust metal suitcase;
- Steel peg with steel cable;
- Integrated strainer;
- Claw coupling;
- Powerful engine for low breathing resistance provides a comfortable work with the fresh air hose breathing apparatus;
- EURO Supply connector plug 12 V/24 W/DC/2000 mA.

N.B. Available, on request, a 12-24 Volt appliance cable 2A (ø 5,5 x 2,1 mm), compatible with car cigarette lighter sockets.

Item no.:
44370506

Accessories



Fresh air light duty hose

Very robust and ageing resistant 25 mm inside width; with rotating claw couplings made of brass;

Item no.:

Length. 5 m.: 44370507 • Length. 10 m.: 44370508 • Length. 20 m.: 44370509
Length. 35 m. (only for A-Type fresh breathing apparatus for use with blower): 44370510



Antistatic fresh air hose

- With antistatic properties;
- 25 mm inner width;
- With rotatable safety claw couplings made of high quality brass;
- Extremely robust and resistant to aging;
- Made of high tech polyurethane;

Item no.:

Length. 5 m.: 44370580 • Length. 10 m.: 44370581 • Length. 20 m.: 44370582



Full face mask Selecta

SELECTA, compact full face mask, with filter connector complying with EN148/1, without speech diaphragm. In EPDM rubber. One size fits all.

Item no.:

43332030



Full face mask Sfera

SFERA, extra wide vision full face mask, with antiscratch visor, speech diaphragm and filter connector complying with EN148/1. In EPDM rubber. One size fits all.

Item no.:

43333005

| Shotblasting protective helmets

Shotblasting devices providing multipurpose protection: respiratory, head and body. Comfortable to use and reliable. Complying with EN 14594 and EN 397.



| C4 helmet

C4 helmet consists of:

- Durable fibre glass polyester helmet with glass visor;
- Exchangeable inner visor with rubber frame;
- Wire mesh screen;
- Very stable window case with adjustable fastener;
- Integrated air flow indicator granting the safety;
- Rubber helmet cover ensuring noise reduction and wear reduction;
- Protective cape made of heavy-duty coated fabric;
- Adjustable waist belt;
- Air flow regulator and safety-nipple for compressed air hose connection.

Item no.:
44020012



| P4 helmet

P4 helmet consists of:

- Durable fibre glass polyester helmet with plastic inner visor and external visor;
- Exchangeable inner visor with profile sealing ring;
- Eire mesh screen;
- Curved visor with wide angle viewing field and adjustable fastener;
- Integrated air flow indicator granting the safety;
- Rubber helmet cover ensuring noise reduction and wear reduction;
- Protective cape made of heavy-duty coated fabric;
- Adjustable waist belt;
- Air flow regulator and safety-nipple for compressed air hose connection.

Item no.:
44020013

Escape devices

The right choice in case of danger



Description

In the event of unexpected and sudden presence of toxic substances at workplace and anywhere, heavy damage could occur to whom who have to breath contaminated air. The immediate use of protective devices can easily assure the user breathable air, provided the oxygen level in the environment is enough. The sooner is the donning of the device, the lesser the damage for the user will be.

Escape devices with filter

	Blitz 5	Blitz 10	Poliblitz	Escabek 15	Escabek P315	Escape
DIN 58647-7	x	x	x	x	x	
EN 403						x
EN 14387			x**		x	
ABEK 5	x					
ABEK 10		x				
ABEK 15			x	x		
ABEK P3					x	
ABEK P				x		
CO P2						x
ABEK CO P3						
Shelf-life	6	6	4	6	6	6
Mouthpiece	x	x				
Half mask			x			
Mouthpiece - hood				x	x	x

** BEK

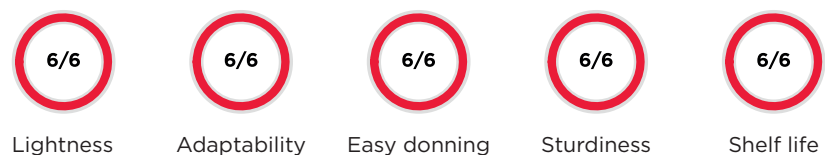


Blitz 5

BLITZ 5 is an escape device with ABEK filter, equipped with a **mouthpiece and a nose clip**. It protects against industrial gases and vapours. Protection is limited with respect to compounds with a boiling point lower than 65°C and in highly toxic concentrations.

- The device does not protect from carbon monoxide or oxygen lack, since it does not provide oxygen.
- The duration of respirator BLITZ 5 is **5 minutes**.

Performances:



Weight:

Product ready to use: 110gr
Product with carrying case: 165 gr

Item no.:

43337000

- SMALL SIZE
- LIGHT WEIGHT
- EASY DONNING



SMALL SIZE



LIGHT WEIGHT



EASY DONNING

Blitz 10

BLITZ 10 is an escape device with ABEK filter, equipped with a **mouthpiece and a nose clip**. It protects against industrial gases and vapours. Protection is limited with respect to compounds with a boiling point lower than 65°C and in highly toxic concentrations.

- The device does not protect from carbon monoxide or oxygen lack, since it does not provide oxygen.
- The duration of respirator BLITZ 10 is **10 minutes**.

Performances:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

Weight:

Product ready to use: 150gr

Product with carrying case: 220gr

Item no.:

44337000



STURDY



EASY DONNING

Poliblitz Abek 15

Poliblitz Abek 15 is a protective filter device equipped with a **half mask**, that provides a protection for at least **15 minutes**. The opening is fast and immediate, the use consists in donning the half mask, adjusting the harness and leaving the contaminate area.

The filter doesn't offer protection against dusts and fumes or carbon monoxide: it isn't therefore suitable for fire escape emergency.

The half mask is comfortable and guarantees a good protection, besides a good verbal communication. The rigid package is solid, compact and it can be carried on the belt having a weight of 400 g. Storage is possible in an environment with temperature between +2°C and +55°C and a humidity lower than 80%. The presence of the seal assures that no tampering, falls or inadvertent opening occurred. If properly stored in its original packaging, the device has a shelf life of 4 years from the production date.

The production date is stated on the metal belt clip.

Performances:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

Weight:

Product ready to use: 290gr

Product with carrying case: 410gr

Item no.:

Poliblitz Abek 15: 43390230

Poliblitz Abek 15 Ex: 43390225



STURDY



EASY DONNING

EscABEK

Sèkur **escABEK** is a disposable escape device, with a **mouthpiece and a hood**, especially developed for the evacuation from industrial areas in case of chemical accidents.

Sèkur **escABEK** è available in 2 configurations:

- EscABEK P 15: protects against gases and dusts (class P2);
- EscABEK P3 15: has been additionally certified in conformity to EN 14387 , thus resulting an A1B1E1K1 P3 filter device;
- Both devices do not protect against carbon monoxide;
- The duration of respirator Sèkur **escABEK** is **15 minutes**.

Performances:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

Weight:

Product ready to use: 340gr

Product with carrying case: 460gr

Item no.:

Sèkur EscABEK P 15: 433390305

Sèkur EscABEK P3 15: 43390306



STURDY



EASY DONNING

Sèkur esCAPE

Sèkur **esCAPE** is an escape device with filter that protects respiratory organs, eyes and face against hazardous substances and smoke developed in the event of fire. Sèkur **esCAPE**, fitted with a **mouthpiece** and a **hood**, allows a high degree isolation of the wearer in a contaminated environment. The combined filter protects the user from P2 dusts, acrolein, HCl, HCN and **carbon monoxide** also in high concentrations (until 10000ppm of CO). All materials are heat and flame resistant, and grant the device a high impact resistance. The use is simple and intuitive.

- This device is for a single use only.
- The duration of respirator Sèkur **esCAPE** is **15 minutes**.

Performances:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

Weight:

Product ready to use: 360gr

Product with carrying case: 500gr

Item no.:

Sèkur esCape: 43390300

Single anchor on the wall: 433390301

Triple anchor on the wall: 43390302

Emergency escape breathing devices (EEBD)



TOTAL PROTECTION



EASY DONNING

Sèkur Navy Cap EEBD

Sèkur Navy Cap is a hood type, constant flow, breathing apparatus to escape from areas in which toxic substances or oxygen deficiency may occur. Easy donning for quick escape. SNC complies with EN 1146 and ISO 23269-1. Compliant to MED Directive.

Models available: 10 minutes duration and 15 minutes duration. The first one utilizes a 2 L, 200 bar steel cylinder whereas the 15 minutes apparatus uses a 3 L, 200 bar steel cylinder or 2 L 300 bar composite cylinder.

Performances:

SNC with steel cylinder:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

SNC with composite cylinder:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

Weight:

Product ready to use (with 3 L. steel cylinder): 6 kg

Product ready to use (with 2 L. composite cylinder): 4,1 kg

Item no.:

Sèkur Navy Cap EEBD 10: 43428225

Sèkur Navy Cap EEBD 15: 43428230

Sèkur Navy Cap EEBD 15C: 43428236



| Sekur Navy Mask EEBD

Sekur Navy Mask is an insulating escape device equipped with a full face mask and a demand valve and is certified for 15 minutes duration. The pressure reduction is fulfilled in the pneumatic circuit thanks to the presence of two elements called first stage, or pressure reducer, and second stage or demand valve.

In SNM the first stage is integrated in the cylinder valve so that the first stage and the valve are one object only. This solution provides a lot of benefits as to simplicity and lightness. SNM can be used as an escape device or as Airline back-up device through the SWOV automatic switch over valve. Complying with EN 402 and ISO 23269-1. Compliant to MED Directive.

Models available: 15 minutes duration, with 3 L, 200 bar steel cylinder or 2 L 300 bar composite cylinder.

Performances:

SNM with steel cylinder:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life

SNM with composite cylinder:



Lightness



Adaptability



Easy donning



Sturdiness



Shelf life



TOTAL PROTECTION



RELIABLE

Weight:

Product ready to use (with steel cylinder): 7 kg

Product ready to use (with composite cylinder): 4,7 kg

Item no.:

SNM with C607 SP/A, steel cylinder 3 L. 200 bar: 43428245

SNM with C607 SP/A, composite cylinder 2 L. 300 bar: 43428246

 EYE PROTECTION

Safety glasses Sèkur glass



Description

Sèkur glass range, complying with EN 166, is composed of safety goggles and spectacles. Lenses have antifog and anti-scratch treatments.

Sèkur glass goggles



M39

- Soft PVF frame goggle designed with direct ventilation and easily fitted elastic headband;
- Economical, comfortable and fits over most prescription glasses;
- Protection against dust and flying debris;
- Adjustable strap;
- Frame marking: Sèkur EN 166 49 BT CE;
- Lens marking: Sèkur 1 BT 9;

Pack: Selling unit 12 pcs **Item no.:** 44046001



M05

- Wide vision goggle with PVC frame providing high levels of comfort and maximum protection;
- Designed to give optimum fit to all facial contours;
- Comfortably fits over most spectacles;
- Features with two point indirect ventilation;
- Wrap around modern styles provides excellent panoramic vision;
- Adjustable strap can be imprinted;
- Frame marking: Sèkur EN 166 349 BT CE;
- Lens marking: Sèkur.

Pack: Selling unit 12 pcs **Item no.:** 44046002



M03

- Wide vision goggle providing high levels of comfort and maximum protection;
- Designed to give optimum fit to all facial contours;
- Lightweight panoramic goggle with PVC frame;
- Comfortably fits over most spectacles;
- Fitted with indirect ventilation;
- Easy adjustable elastic headband and lens available in anti-fog and anti-scratch treatments provide comfort to the user;
- Frame marking: Sèkur EN 166 349 BT CE;
- Lens marking: Sèkur 1 BT 9;

Pack: Selling unit 12 pcs **Item no.:** 44046003

| Sèkur glass spectacles



| S-93

- Stylish protective eyewear combining fashion fit and functions;
- Adjustable temple length - enables wearers to fit the eyewear to their facial profile;
- Offers excellent coverage;
- Features with soft nose bridge for comfort;
- Frame marking: Sèkur EN 166 FT CE;
- Lens marking: 2-1,2 Sèkur 1 FT;

Pack:
Selling unit 12 pcs

Item no.:
44046007



| S-93-s

- Stylish protective eyewear combining fashion fit and functions;
- Adjustable temple length - enables wearers to fit the eyewear to their facial profile;
- Offers excellent coverage;
- Features with soft nose bridge for comfort;
- Grey lenses and blue frame;
- Frame marking: Sèkur EN 166 FT CE;
- Lens marking: 5-3,1 Sèkur 1 FT;

Pack:
Selling unit 12 pcs

Item no.:
44046008



| S-46

- Single-piece lens that will fit most faces;
- Wrap-around protective eyewear offering exceptional comfort, protection and fit;
- Full coverage spectacle;
- Adjustable temple length - enables wearers to fit the eyewear to their facial profile;
- Frame marking: Sèkur EN 166 FT CE;
- Lens marking: 2-1,2.

Pack:
Selling unit 12 pcs

Item no.:
44046009

Visitor spectacles



V30

- Single-piece lens that will fit most faces;
- Wrap-around frameless style protective eyewear offering exceptional comfort, protection and fit;
- Full coverage spectacle;
- Wide visual field;
- Frame marking: Sèkur EN 166 FT CE;
- Lens marking: 2-1,2 Sèkur 1 FT;

Pack:
Selling unit 12 pcs

Item no.:
44046004

Example of lens markings

2-1, 2	Sèkur	1	F	9	K	N
Scale number of filters (optional)	Manufacturer's identification code	Optional class	Symbol of mechanical strength (optional)	Symbol of resistance to molten metals (optional)	Symbol of surface resistance to fine particles (optional)	Symbol of antifog resistance (optional)

- **Optical class 1:** Best optical class
- **Optical class 2:** Medium quality
- **Optical class 3:** Low quality
- **Symbols of mechanical strength:** **S** increased robustness; **F** low-energy impact (45 m/s), **B** medium-energy impact (120 m/s), **A** high-energy impact (190 m/s)

Examples of frame markings

Sèkur	166	34	B	DIN	CE	0196
Manufacturer's identification code	Applicable EN norm	Field(s) of use (optional)	Symbol of mechanical strength (optional)	Tested according DIN (optional)	Conformity symbol	Number of certification body

Symbols denoting fields of use

- **No symbol: basic use:** 3 drops and splashes of liquid; 4 large dust particles; 5 gases and fine dust particles; 8 short circuit electrical arc; 9 molten metals and hot solids.

Symbols of mechanical strength

- **No symbol: minimum robustness:** **S** increased robustness; **F** low-energy impact (45 m/s); **A** high-energy impact (190 m/s).

| Sèkur glass visors

Browguard with visor



| SV-1

- Harness with visor support. Exclusive design for high comfort during use and for easy lens replacement;
- Quick adjustment by wheel on the back. Back padding and sweatband;
- Adjustable inclination. Blu front side with orange details;
- Universal adjustable size;
- Marking: Sèkur EN 166 BT CE.

Item no.:

44046015



| V-1

- Visor only for SV-1 support, in untreated clear polycarbonate shaped like a nail;
- Lens marking: 2-1,2 Sèkur 1 BT CE.

Item no.:

44046016



| V-2

- Visor only for SV-1 support, in clear untreated cylindrical polycarbonate;
- Lens marking: 2-1,2 Sèkur 1 BT 9 CE.

Item no.:

44046017



Industrial gloves

Industrial gloves complying with EN 388 - EN 374 - EN 420.

Neoprene gloves



| Sèkur M2

- Category 3 • Colour: midnight blue; • Made of polychloroprene;
- Approx. 31 cm long; • Anatomical shape with good grip;
- Sanitised, cotton lined, patterned for a non-slip grip;
- Cotton flocked; • High abrasion resistance;
- Resistant to many chemical substances such as acids, bases and organic oils and fats as well as bacteriological contamination;
- Glove can be used universally for laboratory, trade and industry;
- Excellent abrasion resistance and thereby very long service life.

Mechanical features	Abrasion resistance	3
	Cut resistance	1
	Tear resistance	1
	Puncture resistance	0

Item no.:

Size S: 44102100
Size M: 44102101
Size L: 44102102
Size XL: 44102103

Nitrile gloves



| Sèkur M3

- Category 3 • Colour: green; • Made of nitrile perbunan;
- Approx. 31 cm long; • Anatomical shape with very good grip;
- Sanitised, cotton lined, patterned for a non-slip grip;
- Cotton flocked; • Non-abrasive;
- Resistant to many chemical substances such as oils and fats, pesticide, solvents and fuels as well as bacteriological contamination;
- Max abrasion resistance

Mechanical features	Abrasion resistance	4
	Cut resistance	1
	Tear resistance	0
	Puncture resistance	1

Item no.:

Size S: 44102007
Size M: 44102008
Size L: 44102009
Size XL: 44102010



| High-power ultrasonic cleaning units

Cleaning devices use ultrasound and an appropriate cleaning solvent to clean 2 or 6 or 9 breathing masks.



| RK514 GH

- For cleaning 2 breathing masks;
- Inner tank dimensions: 325x300x200 mm; • Capacity: 18,7 litres;

Item no.:

Filling volume for cleaning: 12,5 litres: 44370270

Insert basket, stainless steel, K14 AZ: 44370280

Lid, stainless steel, D14 AZ: 44370290



| RK 1028 CH

- For cleaning 6 breathing masks;
- Inner tank dimensions: 500x300x300 mm; • Capacity: 45 litres

Item no.:

Filling volume for cleaning: 30 litres: 44370300

Insert basket, stainless steel, K28 CA: 44370310

Lid, stainless steel, D1028 C: 44370320



| RK 1050 CH

- For cleaning 9 breathing masks;
- Inner tank dimensions: 600x500x300 mm; • Capacity: 90 litres;

Item no.:

Filling volume for cleaning: 60 litres: 44370330

Insert basket, stainless steel, K50 C: 44370340

Lid, stainless steel, D1050 C: 44370350

| SCBA Test bench

| Posi 3 USB



Posi 3 USB flow tester can automatically test SCBA without disassembly or special tools. It evaluates the operational fitness of SCBA through dynamic tests and functional checks against performance criteria set.

Main features:

- The device has USB capability and is portable and easy to carry;
- Tests the performance of SCBA; • Automatic pass/fail;
- The “Quick Test” cycle can evaluate a fully-assembled SCBA in less than 2-minutes;
- Low Pressure (150 bar / 2216 psi) and High Pressure (310 bar/4500 psi);
- Optional medium range transducer lets you dynamically test first stage regulator performance; • Includes a 32-bit SCBA test software;
- Record keeping: test results are automatically stored right on your own personal computer.

Item no.:
44370013





CIRES

Advanced Performance Respiratory



a LEONARDO company

