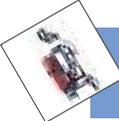


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### DISPOSABLE FILTERING FACEPIECES MANDIL

Disposable filtering facepieces 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, some models of which designed with special filtering element against nuisance odour. Each class is identified by different colours of straps and exhalation valves (respectively yellow, blue, red), making identification easier.

The multilayer cone facepiece is anatomic, comfortable and provides a progressive protection. The two-piece-elastic headband assures an even face-contour adherence.

The main features of the complete mandil range are:

- filtering element enclosed between two protective layers;
- adjustable nose clip;
- upper nose sealing lip made of soft synthetic rubber.

**Pack unit: 20.**

Code 4429 1193

#### MANDIL FFP1



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1195

#### MANDIL FFP1/V



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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. With exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1197

#### MANDIL FFP1 COMBI



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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. Special filtering element against nuisance odour.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1199

### MANDIL FFP2



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1201

### MANDIL FFP2/V



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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. With exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1203

### MANDIL FFP2/V COMBI



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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. Special filtering element against nuisance odour. With exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1205

### MANDIL FFP3/V



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP3 class. Suitable when concentration are 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. With exhalation valve.

(packaging 5 pcs - selling unit 100 pcs)

## DISPOSABLE FILTERING FACEPIECES MANDIL K

The new series of disposable filtering facepieces MANDIL K is conforming to EN 149:2001+A1:2009. It is a complete range including FFP1, FFP2 and FFP3 class with or without exhalation valve; COMBI models have special filtering element against nuisance odours. Each class (FFP1-FFP2-FFP3) is identified by different colours of exhalation valves (respectively yellow, blue, red), making identification easier. The MANDIL K+ FFP3/V has also red adjustable buckles. The multilayer cone facepiece is anatomic, soft and comfortable to wear. The two-piece-elastic headband assures an even face-contour adhesion.

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.

The main features of the complete Mandil K range are:

- Low breathing resistance for more comfortable feel to wearer.
- Welding elastic strap – more resistance and no metal material.
- Exhalation valve to reduce hot air build-up and to provide easy breathing in hot/humid environments.
- Latex free material to avoid irritation.
- Dolomite tested.
- Covered with active carbon pre-filter against nuisance organic vapours (COMBI models).
- Contoured facial seal and easy adjustable buckle system to offer comfortable fitting (Mandil K+ FFP3/V)

**Pack unit: 20.**

Code 4429 1250

### MANDIL K FFP1 NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1251

### MANDIL K FFP1/V NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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. With yellow exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1252

### MANDIL K FFP1 COMBI NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP1 class. Suitable when concentration are 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. Special filtering element against nuisance odour.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1253

### MANDIL K FFP2 NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1254

### MANDIL K FFP2/V NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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. With blue exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1255

### MANDIL K FFP2/V COMBI NR D



Disposable filtering facepiece against solid and liquid aerosols conforming to FFP2 class. Suitable when concentration are 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. Special filtering element against nuisance odour. With blue exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1256

**MANDIL K FFP3 NR D**

Disposable filtering facepiece against solid and liquid aerosols conforming to FFP3 class.  
Suitable when concentration are 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.

(packaging 20 pcs - selling unit 400 pcs)

Code 4429 1257

**MANDIL K FFP3/V NR D****MANDIL K FFP3/V NR D**

Disposable filtering facepiece against solid and liquid aerosols conforming to FFP3 class.  
Suitable when concentration are 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.  
With red exhalation valve.

(packaging 12 pcs - selling unit 240 pcs)

Code 4429 1258

**MANDIL K+ FFP3/V NR D**

Disposable filtering facepiece against solid and liquid aerosols conforming to FFP3 class.  
Suitable when concentration are 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.  
With red exhalation valve.

With contoured facial seal and easy red adjustable buckles to offer comfortable fitting.

(packaging 5 pcs - selling unit 100 pcs)

**MANDIL / MANDIL K RANGE SELECTION CHART**

Application	Details	Class protection	MANDIL/ MANDIL K	Item n. MANDIL/ MANDIL K	Remarks
Pollen	Allergy	P1	FFP1 FFP1 Combi	44291193/1250 44291197/1252	
Molds/Spores Bacteria Soot/Smoke		P2	FFP2 FFP2/V FFP2/V Combi	44291199/1253 44291201/1254 44291203/1255	P3 in case of virulence
Filler, rust iron working Concrete, stone bulwark working Wood, steel, cement working		P1 P2	FFP1 FFP1/V FFP2 FFP2/V FFP2/V Combi	44291193/1250 44291195/1251 44291199/1253 44291201/1254 44291203/1255	P3 in case of high levels of quartz
Paints, varnish, rust preventive, stainless alloy, chrome plating		P3	FFP3 FFP3/V	44291256 44291205/1257/1258	In case of fresh paints and solvents use half mask with A1P1 filter
Welding		P2	FFP2 FFP2/V FFP2/V Combi	44291199/1253 44291201/1254 44291203/1255	
Spray painting	Spray painting Water solutions Pesticide	P2 P3	FFP2 FFP3 FFP3/V	44291199/1253 44291203/1255 44291256 44291205/1257/1258	In case of gas and vapours use half mask with A2P2 filter
Asbestos working	<150.000 fibers per m <sup>3</sup>	P2 P3	FFP2 FFP2/V FFP2/V Combi FFP3 FFP3/V	44291199/1253 44291201/1254 44291203/1255 44291256 44291205/1257/1258	Suitable use of half mask with P3 filter or SCBA
Fiber glass and other mineral fibers		P2	FFP2 FFP2/V FFP2/V Combi	44291199/1253 44291201/1254 44291203/1255	
Waste disposable		P3	FFP3 FFP3/V	44291256 44291205/1257/1258	Do not use in case of toxic vapours

**Please note: All MANDIL successfully passed Electrostatic Test as per Amendment A1 of EN 149 Norm.**

Above mentioned table is to be considered as an indication. Before use, please check that the selected PPE provides the correct protection level for any specific application. Also read instructions before use.



## HALF MASKS

Half masks complying with EN 140. POLIMASK and POLIMASK 2000 are 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.

## TWIN FILTER MODELS FOR USE WITH SERIES 200 FILTERS

**Silicone**

Code 4336 2111



**POLIMASK 2000 BETA**

Half mask in EPDM or silicone rubber for use with two Sèkur filters series 200, of the same type.



**EPDM**

Code 4336 2109

**POLIMASK 100/2**

Half mask in EPDM rubber for use with two Sèkur filters series 200, of the same type.



**EPDM**

Code 4336 1005

## SINGLE FILTER MODELS FOR USE WITH SERIES 230 FILTERS

**Silicone**

Code 4336 2113



**POLIMASK 2000 GAMMA**

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



**EPDM**

Code 4336 2112

**Silicone**

Code 4336 2105



**POLIMASK 230**

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



**EPDM**

Code 4336 2100

## SINGLE FILTER MODELS FOR USE WITH DIRIN SERIES FILTERS

Silicone

Code 4336 2108



**POLIMASK 2000 ALFA**

Half mask in EDPM or silicone rubber for use with one DIRIN Sèkur filter (DIRIN 230 - DIRIN 300).

EPDM

Code 4336 2107



Silicone

Code 4336 2600



**POLIMASK 330**

Half mask in EDPM or silicone rubber for use with one DIRIN Sèkur filter (DIRIN 230 - DIRIN 300).

EPDM

Code 4336 2500



## RESPIRATORS FOR SPRAY PAINTING AND AGRICULTURE

Code 4336 0017

**POLIMASK 102/EF + VS - POLIMASK 230/EF + VS**

Code 4336 0020



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

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



Code 4336 0018

**POLIMASK 102 A2P3 + POLIMASK 230 A2P3**

Code 4336 0019

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

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





## FULL FACE MASKS

Full face masks with a wide field of vision, available in EPDM or silicone rubber, complying with EN 136. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1 and for use with SCBA with a threaded connector conforming to EN 148/3. One size fits all.

## NEGATIVE PRESSURE FULL FACE MASKS (FOR USE WITH FILTERS)

**NEW**



**Silicone**  
Code 4333 4009

**IDEA**

Newly designed, extra wide view full face mask complying to European norms EN 136 - Class 3. One size fits all. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1 and an overpressure version for use with compressed air supply devices, according to EN 148/3. All versions are available in EPDM and silicone rubber.

EPDM or silicone rubber facepiece with adjustable fasteners for the attachment of the harness.

The large panoramic visor is optically perfect and completely distortion free. It is protected by the frame, to ensure high resistance against scratches and abrasions. Inner mask made of either EPDM or silicone rubber equipped with non return valves. 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.

Five strap elastic harness made of either EPDM or silicone rubber.

Neck strap for suspending the mask when not being used.

Weight: about 700 g.

**NEW**



**EPDM**  
Code 4333 4006

**Silicone**  
Code 4333 3002



**SFERA**

Extra wide view full face mask complying with EN 136 (class 3). One size fits all. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1. Available in EPDM and silicone rubber. The visor frame, which is made of reinforced synthetic resin, ensures the sealing between the visor and the rubber facepiece. Inner mask made of either EPDM or silicone rubber equipped with non-return valves. High efficiency, centrally positioned speech diaphragm.

The threaded connector complete with inhalation valve and sealing rubber gasket for the filter and exhalation valve equipped with compensating prechamber.

Two exhalation valves with compensating prechambers. Five straps elastic harness made of rubber, with quick release buckles.

Weight: about 650 g.

**EPDM**

Code 4333 3005



**Silicone**  
Code 4333 2037

**C 607 E**

Wide view full face mask in EPDM rubber. One size fits all. Complies with EN 136 (class 2 and class 3). A silicone rubber version is also available for better comfort and easier decontamination. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1. Wide field of vision and distortion free visor made of polycarbonate, with fiberglass reinforced synthetic resin frame, easily replaceable. Inner mask with non return valves.

Two exhalation valves with compensating prechambers. Five straps elastic harness made of rubber, with quick release buckles.

Weight: approx. 580 g.



**EPDM**  
Code 4333 2034

**C 607/TWIN**

Wide view full face mask in EPDM rubber with speech diaphragm and two filter connectors to fit filters series 200. Complying with EN 136 (class 2). One size fits all.

Two exhalation valves with compensating prechambers. Five straps elastic harness made of rubber, with quick release buckles.

Weight: approx. 580 g.

**EPDM**

Code 4333 0608



### SELECTA (senza dispositivo fonico)

Wide view full face mask in EPDM rubber. One size fits all. Complies with EN 136 (class 2) and is CE marked. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1. Without speech diaphragm.

Two exhalation valves with compensating prechambers. Five straps elastic harness made of rubber, with quick release buckles.

Weight: approx. 580 g.



**EPDM**  
Code 4333 2030





**POSITIVE PRESSURE FULL FACE MASKS (FOR USE WITH SCBA)**



**Silicone**  
Code 4333 4003

**IDEA SP/A**

Positive pressure full face mask with thread conforming to EN 148/3, for use with SCBA. Available in EPDM and silicone rubber. Complying with EN 136 (class 3).  
Weight: about 700 g.



**EPDM**  
Code 4333 4000

**Silicone**  
Code 4333 3001

**SFERA SP/A**

**EPDM**  
Code 4333 3004



Positive pressure full face mask with thread conforming to EN 148/3, for use with SCBA. Available in EPDM and silicone rubber. Complying with EN 136 (class 3).



**Silicone**  
Code 4333 3008

**C 607 SP/A**

**EPDM**  
Code 4333 3007



Positive pressure full face mask with thread conforming to EN 148/3, for use with SCBA. Available in EPDM and silicone rubber. Complying with EN 136 (class 3).



**Silicone**  
Code 4333 2024

**SFERA SP/A ESA**

**EPDM**  
Code 4333 2026



ESA version of SFERA SP/A positive pressure full face mask, available in EPDM or silicone rubber, equipped with plug in system, conforming to DIN 58600. The connection is obtained simply by pushing the demand valve into the mask connector until the typical "click" is audible while the disconnection, for safety reasons, requires the pressure on two stainless steel buttons. Complying with EN 136 (class 3).



**Silicone**  
Code 4333 2022

**C 607 SP/A ESA**

**EPDM**  
Code 4333 2028



ESA version of C607 SP/A positive pressure full face mask, available in EPDM or silicone rubber, equipped with plug in system, conforming to DIN 58600. The connection is obtained simply by pushing the demand valve into the mask connector until the typical "click" is audible, while the disconnection, for safety reasons, requires the pressure on two stainless steel buttons. Complying with EN 136 (class 3).



## C 607 SP/A FAST

EPDM  
Code 4333 2019

Full face mask C 607 SP/A for use with Sidor 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, revealing the complete equivalence in 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).



## ACCESSORIES

### CARRYING CASE

For Sfera / Idea  
Code 4201 0014

For C 607  
Code 4201 0145



Carrying case in polypropylene for Sfera or C607 full face mask.



### PRESCRIPTION LENSES FRAME

For Sfera  
Code 4201 0100

Frame for prescription lenses, fitting Sfera, C607 or Idea full face mask.

For C 607  
Code 4201 0225



For Idea  
Code 4201 0203



Code 4432 3000

### PEEL OFF VISOR KIT FOR C607

Kit of 10 pcs for C607 full face mask.

Code 4201 0655

### 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.



## GAS, DUST AND COMBINED FILTERS

The D.P.I. has a wide range of filters. 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 reusable (R) and dolomite tested (D) marked. All P3 filters have a fungicide and bactericide treatment (BIOSTOP).



The following table shows all possible combinations between filters and masks:

MASK	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

(\*) With a special connector (Code 4201 0600)

### GAS, DUST AND COMBINED FILTERS SERIES 200

Filters with a synthetic resin housing and a special threaded adapter for use with POLIMASK® 100/2 and POLIMASK® 2000 Beta half masks or C607 TWIN full face mask.



#### GAS FILTERS

(selling unit 12 pcs)

200 A1 organic gas and vapours

Code 4340 1001

200 B1 inorganic gas and vapours

Code 4340 1002

200 E1	sulfur dioxide	Code 4340 1003
200 K1	ammonia	Code 4340 1004
200 A1B1	VOGA organic vapours and acid gases	Code 4340 3216
200 A1B1E1K1	multipurpose	Code 4340 1021
200 A2	organic gas and vapours	Code 4340 1022

#### DUST FILTERS

(selling unit 12 pcs)

200 P2	R dust, mist and aerosol	Code 4340 1006
200 P3	R dust, mist and aerosol	Code 4340 1007

#### COMBINED FILTERS

(selling unit 12 pcs)

200 EF + VS	A1 P1 organic gas and vapours, dust and fumes	Code 4340 3215
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(selling unit 8 pcs)

200 A1P3	R D organic gas and vapours, dust, fumes and mist	Code 4340 1012
200 B1	P3 R D inorganic gas and vapours, dust, fumes and mist	Code 4340 1013
200 E1	P3 R D sulfur dioxide, dust, fumes and mist	Code 4340 1014
200 K1	P3 R D ammonia, dust, fumes and mist	Code 4340 1015
200 A1 B1 E1 K1	P3 R D combined multipurpose	Code 4340 1020
200 A2	P3 R D organic gas and vapours, dust, fumes and mist	Code 4340 1024

### GAS, DUST AND COMBINED FILTERS SERIES 230

Filters with a light, impact resistant, synthetic resin housing. Directly connectable to POLIMASK® 230 and POLIMASK® 2000 Gamma half masks. By using the threaded adapter (code 4201 0600) conforming to EN 148/1, they can also be fitted onto POLIMASK® 330 and POLIMASK® 2000 Alfa half masks, or on IDEA, SFERA, C607 and SELECTA full face masks.



#### GAS FILTERS

(selling unit 14 pcs)

230 A1	organic gas and vapours	Code 4340 5100
230 B1	inorganic gas and vapours	Code 4340 5101
230 E1	sulfur dioxide	Code 4340 5102
230 K1	ammonia	Code 4340 5103
230 A1B1	organic vapours and acid gases	Code 4340 5125

230 A1B1E1K1 multipurpose	Code 4340 5202
(selling unit 8 pcs)	
230 A2 organic gas and vapours	Code 4340 5105
230 B2 inorganic gas and vapours	Code 4340 5113
230 E2 sulfur dioxide	Code 4340 5114
230 K2 ammonia	Code 4340 5115
230 A2B2E2K1 multipurpose	Code 4340 5124
230 A2B2E2K2 multipurpose	Code 4340 1167
(selling unit 14 pcs)	
230 A2 COMPACT organic gas and vapours	Code 4340 1159
<b>DUST FILTERS</b>	
(selling unit 14 pcs)	
230 P2 R dust, mist and aerosol	Code 4340 5116
230 P3 R dust, mist and aerosol	Code 4340 5117
<b>COMBINED FILTERS</b>	
(selling unit 14 pcs)	
230 A1P1 NR EF + VS organic gas and vapours, dust and fumes	Code 4340 5127
(selling unit 8 pcs)	
230 A1P2 R D organic gas and vapours, dust, fumes and mist	Code 4340 5104
230 B1P2 R D inorganic gas and vapours, dust, fumes and mist	Code 4340 5110
230 E1P2 R D sulfur dioxide, dust, fumes and mist	Code 4340 5111
230 K1P2 R D ammonia, dust, fumes and mist	Code 4340 5112
230 A1P3 R D organic gas and vapours, dust, fumes and mist	Code 4340 5118
230 B1P3 R D inorganic gas and vapours, dust, fumes and mist	Code 4340 5119
230 A1B1E1K1 P3 R D combined multipurpose	Code 4340 5203
(selling unit 6 pcs)	
230 A2P2 R D organic gas and vapours-dust, fumes and mist	Code 4340 5106
230 B2P2 R D inorganic gas and vapours-dust, fumes and mist	Code 4340 5107
230 E2P2 R D sulfur dioxide-dust, fumes and mist	Code 4340 5108
230 K2P2 R D ammonia-dust, fumes and mist	Code 4340 5109
(selling unit 8 pcs)	
230 A2P3 R D COMPACT organic gas and vapours dust, fumes and mist	Code 4340 1158
(selling unit 6 pcs)	
230 A2P3 R D organic gas and vapours-dust, fumes and mist	Code 4340 5120
230 B2P3 R D inorganic gas and vapours-dust, fumes and mist	Code 4340 5121
230 A2B2P3 R D organic and inorganic gas and vapours, dust, fumes and mist	Code 4340 5122
230 A2B2E2K1 P3 R D combined multipurpose	Code 4340 5123
230 A2B2E2K2 P3 R D combined multipurpose	Code 4340 1166

## DUST, GAS AND COMBINED FILTERS SERIES DIRIN 230

Filters with a synthetic resin housing and a screw complying with EN 148/1. For use with POLIMASK® 330 and POLIMASK® 2000 Alfa half masks, or IDEA, SFERA, C607, SELECTA full face masks.



### GAS FILTERS

DIRIN 230 A2 organic gas and vapours	Code 4341 0600
DIRIN 230 A2 COMPACT organic gas and vapours	Code 4341 0655
DIRIN 230 B2 inorganic gas and vapours	Code 4341 0601
DIRIN 230 E2 sulfur dioxide	Code 4341 0602
DIRIN 230 K2 ammonia	Code 4341 0603
DIRIN 230 AX low boiling organic compounds	Code 4341 0604
DIRIN 230 A2B2 organic and inorganic gas and vapours	Code 4341 0619
DIRIN 230 COMPACT A1B1E1K1 multipurpose	Code 4341 0657
DIRIN 230 A2B2E2K1 multipurpose	Code 4341 0631
DIRIN 230 A2B2E2K2 multipurpose	Code 4341 0638

### DUST FILTERS

(selling unit 8 pcs)

DIRIN 230 P3 R dust, mist and aerosol, radionuclides	Code 4341 0590
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### COMBINED FILTERS

DIRIN 230 A2P2 R D organic gas and vapours-dust, fumes and mist	Code 4341 0620
DIRIN 230 B2P2 R D inorganic gas and vapours-dust, fumes and mist	Code 4341 0621
DIRIN 230 E2P2 R D sulfur dioxide-dust fumes and mist	Code 4341 0622
DIRIN 230 K2P2 R D ammonia-dust, fumes and mist	Code 4341 0623
DIRIN 230 A2P3 R D organic gas and vapours-dust, fumes and mist	Code 4341 0625
DIRIN 230 A2P3 R D COMPACT organic gas and vapours-dust, fumes and mist	Code 4341 0656
DIRIN 230 B2P3 R D inorganic gas and vapours-dust, fumes and mist	Code 4341 0626
DIRIN 230 E2P3 R D sulfur dioxide-dust, fumes and mist	Code 4341 0628
DIRIN 230 K2P3 R D ammonia-dust, fumes and mist	Code 4341 0629
DIRIN 230 AXP3 R D low boiling organic compounds-dust, fumes and mist	Code 4341 0606

DIRIN 230 A2B2P2 D organic and inorganic gas and vapours-dust fumes and mist	Code 4341 0630
DIRIN 230 A2B2P3 D organic and inorganic gas and vapours-dust fumes and mist	Code 4341 0627
DIRIN 230 COMPACT A1B1E1K1 P3 R D, combined multipurpose	Code 4341 0658
DIRIN 230 A2B2E2K1 P3 R D, combined multipurpose	Code 4341 0632
DIRIN 230 A2B2E2K2 P3 R D, combined multipurpose	Code 4341 0640
DIRIN 230 HgP3 D mercury vapours-dust, fumes and mist	Code 4341 0634
DIRIN 230 A2 B2 E2 K2 Hg P3 R D mercury vapours, combined multipurpose	Code 4341 0654

### GAS AND COMBINED FILTERS SERIES DIRIN 300

Filters with a light alloy housing and a screw complying with EN 148/1. For use with POLIMASK® 330 and POLIMASK® 2000 Alfa half masks, or IDEA, SFERA, C607, SELECTA full face masks.



#### GAS FILTERS

DIRIN 300 MkII A2 organic gas and vapours	Code 4341 1530
DIRIN 300 MkII B2 inorganic gas and vapours	Code 4341 1531
DIRIN 300 MkII E2 sulfur dioxide	Code 4341 1532
DIRIN 300 MkII K2 ammonia	Code 4341 1533

#### COMBINED FILTERS

DIRIN 300 A2P2 R D organic gas and vapours-dust, fumes and mist	Code 4341 1601
DIRIN 300 B2P2 R D inorganic gas and vapours-dust, fumes and mist	Code 4341 1602
DIRIN 300 E2P2 R D sulfur dioxide-dust, fumes and mist	Code 4341 1603
DIRIN 300 K2P2 R D ammonia-dust, fumes and mist	Code 4341 1604
DIRIN 300 A2B2P2 R D organic and inorganic gas and vapours, dust fumes and mist	Code 4341 0111

## GAS AND COMBINED FILTERS SERIES DIRIN 500

Filters with a light alloy housing and a screw complying with EN 148/1. For use with IDEA, SFERA, C607 or SELECTA full face masks.



### GAS FILTERS

DIRIN 500 MkII A2	organic gas and vapours	Code 4341 1701
DIRIN 500 MkII B2	inorganic gas and vapours	Code 4341 1702
DIRIN 500 MkII E2	sulfur dioxide	Code 4341 1703
DIRIN 500 MkII K2	ammonia	Code 4341 1704
DIRIN 500 MkII AX		Code 4341 1892
DIRIN 500 AXB2		Code 4341 1888
DIRIN 500/SX H <sub>2</sub> S CS <sub>2</sub>		Code 4341 0880

### COMBINED FILTERS

DIRIN 500 MkII A2P3 R D	organic gas and vapours-dust, fumes and mist	Code 4341 1710
DIRIN 500 MkII B2P3 R D	inorganic gas and vapours-dust, fumes and mist	Code 4341 1711
DIRIN 500 MkII E2P3 R D	sulfur dioxide-dust, fumes and mist	Code 4341 1712
DIRIN 500 MkII K2P3 R D	ammonia-dust, fumes and mist	Code 4341 1713
DIRIN 500 MkII A2B2E2K2 P3 R D,	combined multipurpose	Code 4341 1887
DIRIN 500 A2B2E2K2Hg P3 R D,	combined multipurpose	Code 4341 1894
DIRIN 500 AX P3 R D		Code 4341 1840
DIRIN 500 A2B2P3 R D NBC		Code 4341 1886
DIRIN 500 REAKTOR P3 R D	radioactive iodine and methyl iodide, radionuclides	Code 4341 1930
DIRIN 500 B2 Hg P3 R D	chlorine and mercury vapours	Code 4341 1731
DIRIN 500 NO P3 R D	gas and nitrogen vapours	Code 4341 1716
DIRIN 500 CO60 P3 R		Code 4341 1884

## COMBINED MULTIPORPOSE FILTER DIRIN 530

Filter with a light alloy housing and a screw complying with EN 148/1. For use with IDEA, SFERA, C607 or SELECTA full face masks.



DIRIN 530 A2B2E2K2HgNO20COP3 R

Code 4341 1885



## FILTER RANGE SELECTION CHART

The choice of the respiratory protection filter is related to the nature and the risks caused by the conditions in which it is used. By the selection of 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 FACTORS

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 equipments 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		N.P.F. <sup>1</sup>	A.P.F.
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 it must be chosen the type of filter that can offer greater protection for the risk.

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	K	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	S	Special types on request

<sup>1</sup> Calculated as the inverse ratio of the allowed leakage.

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		Capacity
	1	0.1% vol
	2	0.5% vol
	3	1.0% vol
Particulate filters		Efficiency
	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)

**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 type of use: 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 (Threshold Limit Value) and IDLH (Immediately Dangerous to Life or Health Concentrations) values and the type of device suggested. The data are based, where available, to those reported by NIOSH (National Institute for Occupational Safety and Health).

WARNING: If TLV and IDLH values are very low always USE full face masks.

SOSTANZA TOSSICA <i>Toxic or noxious substance</i>	TLV/TLV	IDLH/IDLH	Tipo di filtro <i>Filter type</i>	Serie filtri SEKUR <i>Secur filter series</i>
1,1,1,2 Tetracloroetano/1,1,1,2 Tetrachloroetano	1 ppm	100 ppm	AP3	2
1,1-Dicloroetano/1,1 Dichloroethane	100 ppm	3000 ppm	AX	5
1,2,3-Tricloropropano/1,2,3-Trichloropropane	10 ppm*	100 ppm	AP	1
1,2-Dicloroetilene/1,2 Dichloroethylene	200 ppm	1000 ppm	AX	5
1-Cloro-1-Bromometano/Chlorobromo methane	200 ppm	2000 ppm	AX	5
1-Cloro-1-Nitropropano/1-Chloro-1-Nitropropane	2 ppm	100 ppm	AP2	4
2-aminopiridina/2- aminopyridine	0.5 ppm	5 ppm	KP	1
2-Cloroacetofenone/2-Chloroacetophenone (CAF)	0.05 ppm	2.4 ppm	AP2	4
4-Aminoanilina/4-Aminoaniline	0.1 mg/m3	25 mg/m3	AP3	2
Acetaldeide/Acetaldehyde	100 ppm*	2000 ppm	AX	5
Acetamide/Acetamide	-	-	AP3	2
Acetato di amile/Amyl acetate	100 ppm	1000 ppm	A	1
Acetato di butile/Butyl acetate	150 ppm	1700 ppm	A	1
Acetato di etile/Ethyl acetate	400 ppm	2000 ppm	AP2	4
Acetilene/Acetylene	2500 ppm**	-	Autorespiratore	-
Acetone/Acetone	250 ppm	2500 ppm	AXP3	5

<b>SOSTANZA TOSSICA</b> <i>Toxic or noxious substance</i>	<b>TLV/TLV</b>	<b>IDLH/IDLH</b>	<b>Tipo di filtro</b> <i>Filter type</i>	<b>Serie filtri SEKUR</b> <i>Sekur filter series</i>
Acetonitrile/ Acetonitrile	20	500	AP3	2
Acido acetico/Acetic Acid	10 ppm	50 ppm	EP2-BP2	4
Acido acetilsalicilico/Acetylsalicylic acid	5 mg/m3	-	P2-P3	6
Acido acrilico/Acrylic Acid	2 ppm	-	AP	1
Acido arsenico/Arsenic acid	0.002 mg/m3 *-**	5 mg/m3	P3	6
Acido benzoico/Benzoic acid	-	-	P2-P3	6
Acido borico/Boric acid	1 mg/m3	-	P2-P3	6
Acido bromidrico/Hydrogen bromide	3 ppm **	30 ppm	EP2	4
Acido cianidrico/Hydrogen cyanide	10 ppm	50 ppm	B***	1
Acido cloridrico/Hydrogen chloride	5 ppm**	50 ppm	BP-EP	1
Acido cloroacetico/Chloroacetic acid	0.05 ppm	-	AP3	2
Acido fluoridrico/Hydrogen fluoride	3 ppm	30 ppm	EP-BP	1
Acido formico/Formic acid	5 ppm	30 ppm	E-B	1
Acido fosforico/ Phosphoric Acid	1 mg/m3	1000 mg/m3	P3	6
Acido ftalico/Phthalic acid	-	-	P2-P3	6
Acido iodrico/Hydrogen iodide	2 ppm	-	B	1
Acido nitrico/Nitric Acid	2 ppm	25 ppm	EP2-BP2-NOP2	4-7
Acido ossalico/Oxalic acid	1 mg/m3	500 mg/m3	P3	6
Acido perclorico/Perchloric acid	0.002 mg/m3 *-**	-	BP2	4
Acido picrico/Picric Acid	0.1 mg/m3	75 mg/m3	P3	6
Acido solfidrico/Hydrogen sulfide	10 ppm**	100 ppm	B-S	1-7
Acido solforico/Sulfuric Acid	1 mg/m3	15 mg/m3	P2-P3	6
Acido tiolico/ Thioglycolic Acid	1 ppm	-	B	1
Acilamide/Acrylamide	0.03 mg/m3*	60 mg/m3	AP3	2
Acilonitrile/Acrylonitrile	1 ppm	85 ppm	A	1
Acroleina/Acroleins	0.1 ppm	2 ppm	AXP3	5
Adiponitrile/Adiponitrile	4 ppm	-	AP	2
Alchilmercurio/Mercury alkyls	0.01 mg/m3	-	HgP3	7
Alcol allilico/Allyl alcohol	2 ppm	20 ppm	A	1
Alcol benzilico/Benzyl alcohol	-	-	A	1
Alcol butilico (butanolo)/Butyl alcohol	0.5 ppm **	1400 ppm	A	1
Alcol etilico/Ethyl alcohol	1000 ppm	3300 ppm	A	1
Alcol isopropilico/Isopropyl Alcohol	400 ppm	2000 ppm	A	1
Alcol propilico/Propyl alcohol	200 ppm	800 ppm	A	1
Aldrin/Aldrin	0.25 mg/m3*	25 mg/m3	AP3	2
Alfa metil stirene/Alpha-methyl styrene	50 ppm	700 ppm	A	1
Alletrina/Allethrin	-	-	P2-P3	6
Alluminio (polvere)/Aluminium (dust)	5 mg/m3	-	P2-P3	6
Allil glicil etere/Allyl glycidyl ether	5 ppm	50 ppm	A	1
Allil propilidissulfide/Allyl propyl disulfide	2 ppm	-	BP	1
Amilaldeide/ Amyl aldehyde	50 ppm	-	A	1
Aminotoluene/Aminotoluene	2 ppm*	50 ppm	A	1
Ammoniacca/Ammonia	25 ppm	300 ppm	KP3	3
Ammonio cloruro/Ammonium chloride	10 mg/m3	-	P	6
Ammonio nitrato/Ammonium nitrate	-	-	P2-P3	6
Anidride acetica/Acetic anhydride	5 ppm**	200 ppm	A	1
Anidride carbonica/Carbon Dioxide	5000 ppm	40000 ppm	Autorespiratore	-
Anidride Clorica/Chlorine Dioxide	0.1 ppm	5 ppm	B	1
Anidride ftalica/ Phthalic Anhydride	6 mg/m3	60 mg/m3	AP2	4
Anidride maleica/Maleic Anhydride	1 mg/m3	10 mg/m3	AP2	4
Anidride solforica/Sulfur trioxide	-	-	EP2	4
Anidride solforosa/Sulfur dioxide	2 ppm	100 ppm	E	1
Anilina/Aniline	2 ppm*	100 ppm	AP3	2
Anisolo/Anisole	-	-	A	1
Antimonio e composti/ Antimony compounds	0.5 mg/m3 50	mg/m3	P	6
Antracene/Anthracene	0.1 mg/m3*	80 mg/m3	AP3	2
Arsina/Arsine	0.002 ppm*-**	3 ppm	Autorespiratore	-
Asbesto/Asbestos	-	100.000 f/m3*	P3	6
Atrazina/Atrazine	5 mg/m3	-	P	6
Benzaldeide/ Benzaldehyde	-	-	A	1
Benzene/Benzene	0.1 ppm*	500 ppm	A	1
Benzidina/Benzidine	-*	-	P3	6
Benzilamine/Benzylamine	-	-	A	1
Benzino/Benzin	-	-	A	1
Benzonitrile/ Benzonitrile	-	-	A	1
Benzopirene/Benzopyrene	-	0.002 mg/m3	P3	6
Bifenile/ Biphenyl	0.02	-	AP	1
Bromo/Bromine	0.1 ppm	3 ppm	B	1
Bromoformio/Bromoform	0.5 ppm	850 ppm	AP3	2
Bromuro di benzile/Benzyl bromide	-	-	BP2-AP2	4
Bromuro di etile/Ethyl bromide	200 ppm	2000 ppm	AX	5

SOSTANZA TOSSICA <i>Toxic or noxious substance</i>	TLV/TLV	IDLH/IDLH	Tipo di filtro <i>Filter type</i>	Serie filtri SEKUR <i>Sekur filter series</i>
Butano/Butane	800 ppm	-	AX	5
Canfora/ Camphor	2 mg/m2	200 mg/m3	AP	1
Catecolo/Catechol	5 ppm	-	AP2	4
Cherosene/Kerosene	100 mg/m3	-	A	1
Chetene/Ketene	0.5 ppm	5 ppm	Autorespiratore	-
Cianogeno/Cyanogen	10 ppm	-	B	1
Cicloesano/Cyclohexane	300 ppm	1300 ppm	A	1
Cicloesanol/Cyclohexanol	50 ppm	400 ppm	A	1
Cicloesanone/Cyclohexanone	25 ppm	700 ppm	A	1
Clordano/Chlordane	0.5 mg/m3*	100 mg/m3	AP2	4
Cloro d'etile/Ethyl chloride	1000 ppm	3800 ppm	AX***	5
Cloro/Chlorine	0.5 ppm**	10 ppm	B	1
Cloroacetaldeide/Chloroacetaldehyde	1 ppm**	45 ppm	A	1
Clorobenzene/Chlorobenzene	75 ppm	1000 ppm	A	1
Clorobenzo malenonitrile/ Chlorobenzylidene malononitrile	0.05 mg/m3**	2 mg/m3	AP3	2
Clorodifenili/Chlorodiphenyls	0.001 mg/m3*	5 mg/m3	AP	1
Clorofornio/Chloroform	2 ppm *	500 ppm	AX	5
Cloropicrina/Chloropicrin	0.1 ppm	2 ppm	A	1
Clorostirene/Chlorostyrene	50 ppm	-	A	1
Cloruro di allile/Allil chloride	1 ppm	250 ppm	AX	5
Cloruro di allile/Allyl chloride	1 ppm	250 ppm	AX***	5
Cloruro di benzile/Benzyl chloride	1 ppm**	10 ppm	BP2-AP2	4
Cloruro di metile radioattivo/Methyl chloride radioactive	-	-	A/Reaktor	1-7
Cloruro di vinile/Vinyl chloride	1 ppm*	-	AX	5
Cloruro di zolfo/Carbon disulfide	1 ppm	500 ppm	BP2	4
Composti dell'uranio/Uranium compounds	0.05 mg/m3*	10 mg/m3	P3	6
Cresolo/Cresol	2.3 ppm	250 ppm	AP3	2
Crinolina/Chinolin	-	-	A	1
Crisene/Chrysene	0.1 mg/m3*	80 mg/m3	P3	6
Cromo (III) Cromo (VI)/Chromium (III) Chromium (VI)	0.5 mg/m3	25 mg/m3	P2-P3	6
Crotonaldeide/Crotonaldehyde	2ppm	50 ppm	AP3	2
Cicloesilammine/Cyclohexylamine	10 ppm	-	AP	1
Decalina/Decalin	-	-	A	1
Deiquat/Diquat	0.5 mg/m3	-	P3	6
Deltametrina/Delthametrin	-	-	P3	6
Desmetrina/Desmetryn	-	-	P2-P3	6
Di cresolo/Dicresol	5 ppm	-	A	1
Diacetone/Diacetone alcohol	50 ppm	1800 ppm	A	1
Diazometano/Diazomethane	0.2 ppm	2 ppm	B***	1
Diborano/Diborane	0.1 ppm	15 ppm	B***	1
Dicloretilene/ Dichloroethylene	200 ppm	1000 ppm	AXP3	5
Dieldrin/Dieldrin	0.25 mg/m3*	50 mg/m3	AP3	2
Difenile/Diphenyl	1 mg/m3	100 mg/m3	AP2	4
Difluoro-dibromometano/Difluoro-dibromomethane	100 ppm	2000 ppm	AX***	5
Diisobutil chetone/ Diisobutyl ketone	25 ppm	500 ppm	AP2	4
Dimetil acetammide/Dimethyl acetamide	10 ppm	300 ppm	A***	1
Dimetil formamide/Dimethyl formamide	10 ppm	500 ppm	A***	1
Dimetilsolfato/ Dimethyl sulfate	0.1 ppm*	7 ppm	AP3	2
Dimetilsolfossido/Dimethylsulfoxid	-	-	A	1
Diossano/Dioxane	1 ppm* - **	500 ppm	A	1
Endrin/Endrin	0.1 mg/m3	2 mg/m3	P3	6
Epicloridrina/Epichlorohydrin	2 ppm*	75 ppm	AP3	2
Esano/Hexane	100 ppm	-	AP3***	2
Esteri organofosforici/Organophosphoric esters	-	-	Autorespiratore	-
Etanolamina/Ethanolamine	3 ppm	30 ppm	AP	1
Etanolammine/Ethanolamine	3 ppm	30 ppm	AP	1
Etere etilici/Ethyl ether	400 ppm	1900 ppm	AX	5
Etilacrilato/ Ethyl acrylate	25 ppm*	300 ppm	A	1
Etilamilchetone/Ethyl amyl ketone	25 ppm	100 ppm	A	1
Etilamine/Etylamine	10 ppm	600 ppm	KP	1
Etilbutil chetone/Ethylbutyl ketone	50 ppm	1000 ppm	A	1
Etileneimine/Ethylenimine	0.5 ppm*	100 ppm	K	1
Etilenossido/Ethylene oxide	<0.1 ppm *	800 ppm	AX	5
Etilformiato/Ethyl formate	100 ppm	1500 ppm	AP	1
Fenilidrazina/Phenylhydrazine	0.14 ppm*.**	15 ppm	AP3	2
Fenolo/Phenol	5 ppm	250 ppm	A	1
Ferro pentacarbonile/Iron pentacarbonyl	0.1 ppm	-	COP3	7
Fluoro/Fluorine	0.1 ppm	25 ppm	B***	1
Formaldeide/Formaldehyde	0.016 ppm*	30 ppm	BP3	2
Formammide/Formamide	10 ppm	-	A	1

<b>SOSTANZA TOSSICA</b> <i>Toxic or noxious substance</i>	<b>TLV/TLV</b>	<b>IDLH/IDLH</b>	<b>Tipo di filtro</b> <i>Filter type</i>	<b>Serie filtri SEKUR</b> <i>Sekur filter series</i>
Fosfina/Phosphine	0.3 ppm	50 ppm	BP***	1
Fosforo giallo/Phosphorus (yellow)	0.1 mg/m3	5 mg/m3	P3***	6
Fosforo rosso/Phosphorus (red)	-	-	BP2	4
Fosgene/Phosgene	0.1 ppm	2 ppm	BP3***	2
Freon/Freon	-	-	Autorespiratore	-
Furano/Furan	-	-	AX	5
Furfurale/Furfural	5 ppm	100 ppm	AP3	2
Gas di città/Town gas	-	-	Autorespiratore	-
Gas e fumi di incendio/Fire smoke and gases	-	-	Autorespiratore	-
Gel di silice/Silica gel	10 mg/m3	-	P3	6
Glicole etilenico/Ethylene glycol	50 ppm **	-	A	1
GPL/LPG	-	-	Autorespiratore	-
Idrazin/Hydrazine	0.03*-** ppm	50 ppm	K	1
Idrochinone/Hydrochinon	2 mg/m3	-	AP3	2
Idrogeno selenieto/Hydrogen selenide	0.05 ppm	1 ppm	BP3***	2
Indene/Indene	10 ppm	-	AP2	4
Iodio radioattivo/Iodine radioactive	-	-	BP3/Reaktor	2
Iodoformio/Iodoform	0.6 ppm	-	A	1
Isobutano/Isobutane	800 ppm	-	AX	5
Isoprene/Isoprene	-	-	Autorespiratore	-
Isopropil etere/ Isopropyl ether	500 ppm	1400 ppm	A	1
Isopropilammina/Isopropylamine	5 ppm	750 ppm	B	1
Isopropilammina/Isopropylamine	5 ppm	750 ppm	B	1
Formiato di isopropile/Isopropyl formate	-	-	A	1
Lewisite/Lewisit	-	-	BP3	2
Ligroina/Ligoïn	300 ppm	-	A	1
Lindane/Lindane	0.5 mg/m3	50 mg/m3	AP3	2
Malthion/Malathion	10 mg/m3	250 mg/m3	AP2	4
Mercurio e composti/Mercury compounds	0.05 mg/m3	10 mg/m3	HgP3	7
Mercurio/Mercury	0.05 mg/m3**	10 mg/m3	HgP3	7
Metano/ Methane	-	-	Autorespiratore	-
Metanolo/Methanol	200 ppm	6000 ppm	AX	5
Metil acetilene/Methyl acetylene	1000 ppm	3400 ppm	Autorespiratore	-
Metil isopropil chetone/ Methyl isopropyl ketone	200 ppm	-	A	1
Metilammina/Methylamine	10 ppm	100 ppm	K	1
Metilammine/ Methylamine	10 ppm	100 ppm	K	1
Metilcloroformio/Methylchloroform	350 ppm**	700 ppm	A	1
Metiletilchetone/ Methyl ethyl ketone	200 ppm	3000 ppm	A	1
Metiletiltere/Methyl ether	-	-	AX	5
Metilisocianato/Methyl isocyanate	0.02 ppm	3 ppm	BP3***	2
Monossido di carbonio/Carbon monoxide	50 ppm	200 ppm	Autorespiratore****	-
Morfolina/Morpholine	20 ppm	1400 ppm	A	1
Naftaline/Naphtahalin	10 ppm	250 ppm	A	1
n-butilammine/ n-butylamine	5 ppm*	300 ppm	B	1
Nero di carbone/Carbon black	3.5 mg/m3	1750 mg/m3	P2-P3	6
Nichel tetra carbonile/Nickeltetra carbonyl	0.001 ppm *	2 ppm	Autorespiratore	-
Nitrobenzene/Nitrobenzene	1 ppm	200 ppm	AP3	2
Nitroetano/Nitroethane	100 ppm	1000 ppm	A***	1
Nitrometano/Nitromethane	100 ppm	750 ppm	AP3***	2
Nitropirene/Nitropyrene	-	-	AP3	2
Nitrotulene/Nitrotoluene	2 ppm	200 ppm	A	1
Oleum/Oleum	-	-	EP2	4
Ossido di alluminio/Aluminium oxide	15 mg/m3	-	P2-P3	6
Ossido di cromo/Chromoxide	0.5 mg/m3	250 mg/m3	P2-P3	6
Ozono/Ozone	0.1 ppm**	5 ppm	NOP3	7
Paraquat/Paraquat	0.1 mg/m3	1 mg/m3	AP3	2
Parathion/Parathion	0.05 mg/m3	10 mg/m3	AP3	2
PCBA/PCBA	-	-	AP2	4
Pentacloruro di fosforo/ Phosphorus pentachloride	1 mg/m3	70 mg/m3	BP2***	4
Perossidi inorganici/Peroxides (inorganic)	-	-	BP2	4
Perossidi organici/Peroxides (organic)	-	-	P2-P3	6
Perossido di idrogeno/Hydrogen peroxide	1 ppm	75 ppm	NOP3-COP3***	7
Petrolio distillato/Petroleum distillates	85 ppm	1100 ppm	A***	1
Piombo tetraetile/Tetraethyl lead	0.075 mg/m3	40 mg/m3	AP3***	2
Piombo tetrametile/Tetramethyl lead	0.075 mg/m3	40 mg/m3	AP3***	2
Piombo (polveri e fumi)/Lead (fumes and dust)	0.05 mg/m3	100 mg/m3	P3	6
Piperazina/Piperazine	-	-	AP2	4
Piperidina/Piperidine	-	-	AP2	4
Pirazina/Pyrazine	-	-	A	1
Piretro/Pyrethrum	5 mg/m3	5000 mg/m3	P2-P3	6

<b>SOSTANZA TOSSICA</b> <i>Toxic or noxious substance</i>	<b>TLV/TLV</b>	<b>IDLH/IDLH</b>	<b>Tipo di filtro</b> <i>Filter type</i>	<b>Serie filtri SEKUR</b> <i>Sekur filter series</i>
Piridina/Pyridine	5 ppm	1000 ppm	A	1
Pirrolidina/Pyrrolidine	-	-	A	1
Poliacrilonitrile/Polyacrylonitrile	-	-	Autorespiratore	-
Propano/Propane	1000 ppm	2100 ppm	Autorespiratore	-
Propilene immina/Propylene imine	2 ppm*	100 ppm	AX	5
Rame (fumi)/Copper (fume)	0.1 mg/m3	100 mg/m3	P2-P3	6
Rame (polvere)/Copper (dust)	1 mg/m3	100 mg/m3	P2-P3	6
Resine epossidiche/Epoxy resins	-	-	AP2	4
Resorcinolo/Resorcinol	10 ppm	-	AP2	4
Silani/Silanes	5 ppm	-	Autorespiratore	-
Soda caustica/Sodium hydroxide	2 mg/m3**	10 mg/m3	P3	6
Stirene/Styrene	50 ppm	700 ppm	A	1
TDI Toluene di isocianato / TDI Toluene-2,4-diisocyanate	0.005 ppm*	2.5 ppm	BP3-AP3	2
Tetrossido di osmio/Osmium tetroxide	0.002 mg/m3	1 mg/m3	AP3	2
Tietrilamina/ Triethylamine	10 ppm	200 ppm	A-K	1
Tiofene/ Thiophene	-	-	B	1
Tiuram/ Thiram	5 mg/m3	100 mg/m3	AP2	4
Toluene/ Toluene	100 ppm	500 ppm	A	1
Trementina/ Turpentine	100 ppm	800 ppm	A	1
Tricloro etilene/ Trichloroethylene	50 ppm*	1000 ppm	A***	1
Tricloruro di sodio/ Phosphorus trichloride	0.2 ppm	25 ppm	BP2(P3)-EP2(P3)	1
Urea/Urea	-	-	P2-P3	6
Vapori nitrosi/Nitrous vapours	-	50 ppm	NO P3	7
Vinil acetilene/ Vinyl acetylene			Autorespiratore	-
Vinilacetato/ Vinyl acetate	4 ppm**	-	AP2	4
Warfarina/Warfarin	0.1 mg/m3	100 mg/m3	AP3	2
Xilene/ Xylene	100 ppm	900 ppm	A	1
Xilidine/Xylidine	2 ppm*	50 ppm	AP3	2
Zinco (polveri)/ Zinc(dust)	5 mg/m3	500 mg/m3	P3	6

\* Suspected risk of cancer as per NIOSH indications- the use of SCBA is recommended .

\*\* Limit value calculated as average value in 15 minutes.

\*\*\* NIOSH recommends the use of SCBA, even if compatible with filtering device.

\*\*\*\* Under particular conditions, a multipurpose filter Dirin 530 may be used.

#### **Sekur filters series**

1-Series 200, 230, Dirin 230, Dirin 300, Dirin 500 e Dirin 530

2-Series 200, 230, Dirin 230, Dirin 500 e Dirin 530

3-Series 200, Dirin 230, Dirin 500 e Dirin 530

4-Series 230, Dirin 230 e Dirin 300

5-Series Dirin 230 e Dirin 500

6-Series 200, 230 e Dirin 230

7-Series Dirin 500 e Dirin 530



## FRESH AIR HOSE BREATHING APPARUSES (DIN EN 138)

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).

Code 4437 0504

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



### 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).

Code 4437 0505

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

**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.

**ACCESSORIES****FRESH AIR LIGHT DUTY HOSE**

- Very robust and ageing resistant;
  - 25 mm inside width;
  - with rotating claw couplings made of brass.
- |            |                |
|------------|----------------|
| 5 m long   | Code 4437 0507 |
| 10 m long  | Code 4437 0508 |
| 20 m long  | Code 4437 0509 |
| 35 m long* | Code 4437 0510 |

\* only for A-type fresh breathing apparatus for use with blower.

**FULL FACE MASK SELECTA**

SELECTA, panoramic vision full face mask, with filter connector to EN 148/1, without speech diaphragm. In EPDM rubber. One size fits all.

**FULL FACE MASK SFERA**

SFERA, extra wide vision full face mask, with antiscratch visor, speech diaphragm and filter connector to EN 148/1. In EPDM rubber. One size fits all.



## SHOTBLASTING PROTECTIVE HELMETS

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

Code 4402 0012

### 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 grant the safety
- the rubber helmet cover ensures for 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

Code 4402 0013

### 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
- wire mesh screen
- curved visor with wide angle viewing field and adjustable fastener
- integrated air flow indicator grant the safety
- the rubber helmet cover ensures for 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

## SAFETY HOODS

Code 4333 2042

### 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 inhalation connection. Complying with EN 136.



## ESCAPE DEVICES

Escape devices range includes respirators with filter (Sekur esCAPE and Poliblitz ABEK 15) and EEBD (Sekur Navy Cap and Sekur Navy Mask).

### SEKUR esCAPE



Sekur 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.

Complying with EN 403.

The hood is made of a thin polylimidic film, resistant to heat, high temperatures and flame. Its special colour let wearers be visible even in the presence of smoke. The transparency of the hood allows a distortion- and aberration-free vision.

All materials are heat and flame resistant, and grant the device a high impact resistance.

Sekur esCAPE is equipped with a mouthpiece and a nose clip, that allow 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). The protection against particles, gas and vapours is guaranteed for 15 minutes. This device is for a single use only. If not used, after six years you can replace the filter and the new one will have six more years shelflife.

Sekur esCAPE Code 4339 0300

Single anchor on the wall Code 4339 0280

Triple anchor on the wall Code 4339 0270

### POLIBLITZ ABEK 15



Filter type emergency respirator for escape from buildings and industrial areas in case of accidental pollution by toxic gases or vapours. Type A-B-E-K, lasts at least 15 min. according to the DIN 58647-7.

It doesn't give protection from dusts, fumes or carbon monoxide. It is not therefore suitable in case of fire. Code 4339 0230

The respirator is available in POLIBLITZ ABEK 15 "Ex" version:  ATEX approved, according to the 94/9/EC ATEX Directive. It is suitable for use in potentially explosive atmospheres. The device approved as Group II (for civil and industrial environments); category 1, for 0 and 20 zones (by far the zones with the highest risk of explosion).

Code 4339 0225

### BLITZ 10



Blitz 10 is an emergency respirator with mouthpiece, type ABEK, lasts at least 10 minutes, complying with Standard DIN 58647-7.

It is an escape device with filter that protects respiratory organs from organic vapours and gases with a boiling point higher than 65 °C, inorganic vapours and gases, acidic and basic vapours and gases. Protection is limited with respect to compounds with boiling point lower than 65°C and in highly toxic concentrations. BLITZ 10 does not protect from carbon monoxide or oxygen lack, since it does not provide oxygen.

The device is for a single use only.

Shelf life of the device is 6 years.

Code 4433 7000

### SEKUR NAVY CAP EEBD



Sekur 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. According to 89/686/EC PPE Directive, 96/98/EC MED Directive and 97/23/EC PED Directive.

Models available: 10 minutes duration and 15 minutes duration. The first one utilizes a 2.0 lt., 200 bar steel cylinder whereas the 15 minute apparatus uses a 3.0 lt., 200 bar steel cylinder.

SEKUR NAVY CAP EEBD (10 min.) Code 4342 8225

SEKUR NAVY CAP EEBD (15 min.) Code 4342 8230

SEKUR NAVY CAP EEBD (15 min.) - Version with empty cylinder Code 4342 8232

### SEKUR NAVY MASK EEBD



SEKUR NAVY MASK is an isolating escape device equipped with a full face mask and a demand valve and is classified 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.

By the 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. According to Form B of 96/98/EC MED Directive; to Article 10 of 89/686/EEC PPE Directive; to 97/23/EC PED Directive.

SNM EEBD with C607 SP/A mask Code 4342 8245

SNM eebd with SFERA SP/A mask Code 4342 8255





## SELF CONTAINED BREATHING APPARATUSES (SCBA)

**DIABLO range** includes self contained breathing apparatuses with full face mask and demand valve, conforming with **EN 137**. All models are available in **Type 1** version, for general use, and **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 90°, 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.

Diablo Advanced (Type 1), Diablo Industrial (Type 1) and Diablo PIZ are available, on request, with **ATEX** approval, for use in a potentially explosive atmosphere. According to the 94/9/EC ATEX Directive.

Here below some models of self contained breathing apparatuses included in our range. To have a look at the complete range, visit our website [www.dpisekur.com](http://www.dpisekur.com).

## DIABLO ADVANCED



**DIABLO ADVANCED** complies with EN 137 and is EC certified according to Article 10 of 89/686/EEC PPE Directive and 97/23/EC PED Directive. It is available in **Type 1** version, for general use, and in **Type 2** version, which positively passed the flash-over test. Such test based on a heat and flame exposure of the complete apparatus for 10 seconds at 900°, followed by a drop. During and after the test the apparatus shall continue to work granting positive pressure inside the mask and being self extinguishing. Diablo Advanced Type 1 is available with **ATEX** approval, according to the 94/9/EC ATEX  Directive.

Functional components:

- The back pack consists of an anatomic plate made of self extinguishing synthetic resin, light and robust thanks to the fibre glass reinforcement. The carefully designed shape allows to fit all the below listed cylinders which are firmly locked by a quick action buckle.
- The body harness is a composite structure made of self extinguishing textile.
- The compensated C2000 pressure reducer (patented), uses an active compensation principle exploiting the closing thrust of the main valve which has been tested on over hundred thousand pieces produced.
- The chest pressure unit, connected only to a light and flexible high pressure hose, reinforced by aramidic fibre, includes, besides the APR (Auxiliary pressure reducer), also the pressure gauge and the warning device. The APR is additionally protected from potential malfunctions by an ASV (auxiliary safety valve).
- The pressure gauge, placed on the left side of the user and hooked to the shoulder webbing, is extremely thin, of innovative design and extra light, though effectively protected by a rubber shell.
- The warning whistle is of the dual stage type, i.e. it is driven by the high pressure but actuated by medium pressure. In addition it is equipped with the patented autotest feature which allows the automatic testing of the correct setting and operation.

Usually, the check of the correct operation and setting of the warning device is a long and complex operation. With DIABLO it is sufficient just to open the cylinder valve and the test is performed automatically: a few seconds delay imposed to the first pressurization of the circuits and of the pressure gauge makes it easy to follow the rise of the needle on the dial.

The pressure gauge will be efficient and correctly set if the whistle will be clear and loud as long as the needle is within the red sector of the dial and stops immediately after.

- E400 lung governed demand valve is of the first breath type i.e. it automatically switches from the stand-by mode (without any waist of air). In positive pressure mode it is able to deliver up to a respiratory demand in excess of 10 times the average air consumption needed during normal use and it is characterized by a fast response and a smooth action.

- A quick coupling version is also available. It allows an easy and fast connection/disconnection of the medium pressure hose between the pressure reducer side and the demand valve side.

- E 400 Demand valve is available both in the AP/A version, equipped with an M 45 x 3 standardized threaded connection to the mask, or in the ESA version equipped with a plug in system, conforming to DIN 58600.

- C607 SP/A or SFERA SP/A positive pressure full face masks available in EPDM or SILICONE versions, with standard thread or plug in connector.

DIABLO ADVANCED is also available in three additional configurations, which allow the connection to a second outlet (OUT), or to an external air line system (IN), or both (IN & OUT). Namely:

- The cylinder valve can be fitted with an auxiliary pressure gauge, constantly pressurized which informs at all times about the filling status of the cylinder.
- On demand, the cylinder valve is also available in the Push and Turn version which makes impossible both opening and shutting off in use and during handling or transportation of the cylinder.

Here below a few configurations of **Diablo Advanced** included in our range. A look of the complete range is possible by visiting our website [www.dpisekur.com](http://www.dpisekur.com).

Diablo Advanced with Sfera SP/A DIN 300, without cylinder  
Code 4342 9108

Diablo Advanced with Sfera SP/A w/secondary outlet DIN 300, without cylinder  
Code 4342 9109

Diablo Advanced with Idea SP/A DIN 300, without cylinder  
Code 4352 0001

Diablo Advanced with Idea SP/A w/secondary outlet DIN 300, without cylinder  
Code 4352 0002

Diablo Advanced with Sfera SP/A PLUG IN DIN 300, without cylinder  
Code 4342 9131

Diablo Advanced with Sfera SP/A FE (class 2) PLUG IN DIN 300  
Code 4342 9143

### Cylinders

Steel cylinder - 6 lt x 300 BAR DIN  
Code 4200 0760

Composite cylinder - 6,8 lt x 300 BAR DIN with aluminum liner  
Code 4200 0815



## DIABLO INDUSTRIAL

**DIABLO** compressed air self-contained breathing apparatus is available in **MM version** for industrial applications, complying with **EN 137** Norm, some models of which, specially developed for the merchant navy applications, are MED approved.

Diablo Industrial is EC certified according to Form B of 96/98/EC MED Directive; to Article 10 of 89/686/EEC PPE Directive; to 97/23/EC PED Directive.

DIABLO INDUSTRIAL is available in **Type 1** and **Type 2** versions. Diablo Industrial Type 1 is available with **ATEX** approval, according to the 94/9/EC ATEX  Directive.

Main components and features:

- The light weight and mechanically resistant carrying frame, is made of self-extinguishing fibre glass reinforced synthetic resin and is designed in order to fit ergonomically the shape of the body.
- The harness is made of self-extinguishing synthetic woven fabric.
- In the new C2000 balanced type pressure reducer (patented) the numbers of the moving components have been reduced by 50%. The result is an exceptional response time, an extremely compact medium pressure cycle, smooth breathing and total performance stability. The C2000 pressure reducer is equipped with a medium pressure connection to the demand valve. Any access to the C 2000 pressure reducer and to calibrations is sealed and protected in order to avoid tampering.
- 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 E400 AP/A demand valve is of the self-positive type, i.e. it is in a stand-by mode and switches automatically to positive pressure at the first breath without any waste of air. It ensures a positive pressure inside the mask up to 10 times the air consumption normally needed during the use and is characterized by an extremely quick response time and smooth functioning.

Additional configurations:

- a model with a quick coupling connection is also available, which allows the operator to connect or disconnect the demand valve from the pressure reducer.
- the cylinder valve can also be equipped an auxiliary pressure gauge, permanently under pressure, which is capable of indicating if the cylinder is filled enough to allow use or not.
- with an additional facility to feed a second operator (OUT)
- with an additional facility to connect to an external air supply (IN).
- with both IN & OUT facilities.

Here below a few configurations of **Diablo Industrial** included in our range. A look of the complete range is possible by visiting our website [www.dpisekur.com](http://www.dpisekur.com).

DIABLO INDUSTRIAL 1400/1 - MED approved, C 607 SP/A, with quick couplings, steel cylinder 7 lt x 200 bar DIN  
Code 4342 5116

DIABLO INDUSTRIAL 1800/1 - MED approved, C 607 SP/A, without quick couplings, steel cylinder 6 lt x 300 bar DIN  
Code 4342 5126

## EMERGENCY SCBA

DIABLO self contained breathing apparatuses designed for emergency situations when fast evacuation is required. Complying with EN 137 Norm.

### 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, 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 E 400 AP/A 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 or SFERA 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.

Here below a few configurations of **Diablo PI** included in our range. A look of the complete range is possible by visiting our website [www.dpisekur.com](http://www.dpisekur.com).

DIABLO PI with carrying bag, C 607 SP/A EPDM, with quick coupling, DIN 200 (without cylinder)  
Code 4342 7110

DIABLO PI with carrying bag, C 607 SP/A EPDM, without quick coupling, DIN 200 (without cylinder)  
Code 4342 7111

DIABLO PI with carrying bag, Idea SP/A EPDM, without quick coupling, DIN 200 (without cylinder)  
Code 4352 7005

#### Cylinders

Steel cylinder - 3 lt x 200 bar - head valve outlet to DIN 477  
Code 4200 0690

### 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, 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 E 400 AP/A 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 or SFERA 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 in order to fit the shape of the body and to distribute uniformly the weight of the apparatus on the wearer's back.
- Diablo Piz is available with **ATEX** approval, according to the 94/9/EC ATEX  Directive

Here below a few configurations of **Diablo PIZ** included in our range. A look of the complete range is possible by visiting our website [www.dpisekur.com](http://www.dpisekur.com).

DIABLO PIZ, with back pack, C 607 SP/A EPDM, with quick coupling, DIN 300 (without cylinder)  
Code 4342 7122

DIABLO PIZ, with back pack, C 607 SP/A EPDM, without quick coupling, DIN 300 (without cylinder)  
Code 4342 7123

DIABLO PIZ, with back pack, Idea SP/A EPDM, without quick coupling, DIN 300 (without cylinder)  
Code 4352 5005

#### Cylinders

Steel cylinder - 3 lt x 200 bar - head valve outlet to DIN 477  
Code 4200 0690

## COMPONENTS FOR SCBA

Code 4344 2017

### 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 it difficult to breathe. 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.

Code 4343 0060

### 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.

Code 4200 0838

### 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.

Code 4343 0992

### CARRYING CASE



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

Code 4432 1000

### WALL CABINET



Wall cabinet, made of steel, painted. For single or double cylinder breathing apparatus. Dimensions: cm. 74x44x24.



## AIRLINE 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/min) combined to a lower pressure, leads to a better comfort and a higher protection level. The pressure of the breathable air supply (EN 12021) 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%).



Diablo Amiante with full face mask Sfera ASB EPDM  
Code 4344 2060

Diablo Amiante with full face mask Sfera ASB Silicone  
Code 4344 2061

Dust filter ASB P3R (pack of 10 pcs)  
Code 4340 1008



### 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.

AIRLINE FC, without auxiliary fitting Code 4344 2050

AIRLINE FC, with auxiliary fitting Code 4344 2051

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



### 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.

AIRLINE AP/A, without auxiliary fitting Code 4344 2018

AIRLINE AP/A, with auxiliary fitting Code 4344 2019

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

### AIRLINE ACCESSORIES

Code 4344 2032



#### 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 made by 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.

#### AIR CLEAN 3

Code 4420 0071



- 3-level combined filter (with pre-, 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.

#### AIR CLEAN 2

Code 4420 0070



- 2-level combined filter (with submicro- and active charcoal filter) for pre-cleaned 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.

#### "T" CONNECTION

Code 4343 1018



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.

#### MP HOSE (8x17)

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

10 m Code 4343 0962  
20 m Code 4343 1058  
30 m Code 4343 0969  
40 m Code 4343 0970  
50 m Code 4343 0971





## PORTABLE AIR-SUPPLY SYSTEMS

Isolating compressed air breathing apparatuses equipped with large capacity cylinders.

## SEKUR 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 200 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.

SEKUR CAR DIABLO 8000/2 with C607 SP/A EPDM with 2 cylinders 18 l 220 bar  
Code 4342 1067

SEKUR CAR DIABLO 8000/2 with C607 SP/A EPDM DIN 300 without cylinders  
Code 4342 1082

### Cylinders

Steel cylinder - 18 l, working pressure 220 bar DIN  
Code 4200 0829

Composite cylinder - 9 l, working pressure 300 bar, complete with bottom protection and HP valve (EN 144-2)  
Code 4200 0815

## 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 8 X 17 (resistant to oils and solvents) with swivelling pneumatic connection and quick couplings.

Code 4342 1052

## ACCESSORIES FOR SECOND OPERATOR CONNECTION

### MP HOSE (8x17)

Medium pressure hose complete with couplings.

10 m	Code 4343 0962
20 m	Code 4343 1058
30 m	Code 4343 0969
40 m	Code 4343 0970
50 m	Code 4343 0971



### 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.

Code 4344 2018





## COMPRESSORS

Aerotecnica Coltri®, designs and produces high pressure compressors for breathable air and technical gases; portable compressors and big sized recharging stations, including mono and three phases electric engine.  
The following are just a few models.

Code 4420 0019

### MCH6/SH EU



Charging rate: 100 L/min - 6 m<sup>3</sup>/h - 3,5 CFM  
Filling time cylinder 10 L - 0-200 Bar: 20 min  
Working pressure: 225 Bar / 3300 Psi - 300 Bar / 4300 Psi  
Driven by: Honda petrol engine  
Power: 3,6 Kw / 5,5 HP @ 3600 rpm  
Dimensions: height 35 cm/13.7", width 78 cm/30.7", depth 32 cm/12.5"  
Dry weight: 38,5 Kg / 84.8 lbs

Code 4420 0010

### MCH6/EM



Charging rate: 80 L/min - 4,8 m<sup>3</sup>/h - 2,8 CFM  
Filling time cylinder 10 L - 0-200 Bar: 25 min  
Working pressure: 225 Bar / 3300 Psi  
Driven by: Single-phase electric motor with centrifugal switch  
Power: 2,2 Kw  
Dimensions: height 35 cm/13.7", width 65 cm/25.5", depth 39 cm/15.3"  
Dry weight: 39,5 Kg / 87 lbs

Code 4420 0040

### MCH13/ETS SUPER SILENT EVO



Charging rate: 215 L/min - 136 m<sup>3</sup> /h – 7,5 CFM  
Filling time cylinder 10 L - 0-200 Bar: 9 min  
Working pressure: 225 Bar / 3200 Psi – 330 Bar / 4700 Psi  
Driven by: Three-phase electric  
Power: 4,8 Kw (440/480 V - 60 Hz)  
Dimensions: height 132 cm / 52", width 89 cm / 35", depth 82cm / 32"  
Dry weight: 212 Kg / 468 lbs

Code 4420 0021

### EOLO 300/EM



Air deliver: 300 L/min - 18 m<sup>3</sup>/h - 10,5 CFM  
Working pressure: 8 Bar - 120 Psi  
Driven by: Single-phase electric motor  
Power: 2 Kw  
Dimensions: height 51 cm /20", width 78 cm/30.7", depth 45 cm/17.7"  
Dry weight: 55 Kg / 121.2 lbs

## HIGH-POWER ULTRASONIC CLEANING UNITS

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



### RK514 BK

For cleaning 2 breathing masks  
 Inner tank dimensions: 325x300x200 mm  
 Capacity: 18,7 litres  
 Filling volume for cleaning: 12,5 litres  
 Code 4437 0270

Insert basket, stainless steel, K14 AZ  
 Code 4437 0280

Lid, stainless steel, D14 AZ  
 Code 4437 0290



### RK1028 CH

For cleaning 6 breathing masks  
 Inner tank dimensions: 500x300x300 mm  
 Capacity: 45 litres  
 Filling volume for cleaning: 30 litres  
 Code 4437 0300

Insert basket, stainless steel, K28 CA  
 Code 4437 0310

Lid, stainless steel, D1028 C  
 Code 4437 0320



### RK1050 CH

For cleaning 9 breathing masks  
 Inner tank dimensions: 600x500x300 mm  
 Capacity: 90 litres  
 Filling volume for cleaning: 60 litres  
 Code 4437 0330

Insert basket, stainless steel, K50 C  
 Code 4437 0340

Lid, stainless steel, D1050 C  
 Code 4437 0350

## SCBA TEST BENCH

Code 4437 0013

### 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 psig) and High Pressure (310 bar / 4500 psig)
- 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



## SEKUR GLASS

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

### Examples of lens markings

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

optical class 1 - best optical class  
optical class 2 - medium quality  
optical class 3 - low quality

#### Symbols of mechanical strength

No symbol: minimum robustness  
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

 Manufacturer's identification code	<b>166</b> Applicable EN norm	<b>34</b> Field(s) of use (optional)	<b>B</b> Symbol of mechanical strength (optional)	<b>DIN</b> Tested according to DIN (optional)	<b>CE</b> Conformity symbol	<b>0196</b> Number of certification body
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#### Symbols denoting areas 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)  
B medium-energy impact (120 m/s)  
A high-energy impact (190 m/s)

## 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  
(selling unit 12 pcs)  
Code 4404 6001

### 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 1 BT 9  
(selling unit 12 pcs)  
Code 4404 6002

### 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  
(selling unit 12 pcs)  
Code 4404 6003

### M09



Wide vision goggle provides a 180° panorama view  
Easy 4-steps lens replacement  
Indirect ventilation to prevent fogging  
Ergonomically design with co-injected frame  
Able to withstand extreme temperatures  
Designed to give optimum fit to all facial contours  
Clear lenses and light blue frame.  
Frame marking: Sèkur EN 166 39 BT CE  
Lens marking: Sèkur 1 BT 9  
(selling unit 12 pcs)  
Code 4404 6023  
Spare lenses for M09  
(selling unit 10 pcs)  
Code 4404 6024

## 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 nosebridge for comfort.  
Frame marking: Sèkur EN 166 FT CE  
Lens marking: 2-1,2 Sèkur 1 FT  
(selling unit 12 pcs)  
Code 4404 6007

### 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 nosebridge for comfort.  
Grey lenses and blue frame.  
Frame marking: Sèkur EN 166 FT CE  
Lens marking: 5-3,1 Sèkur 1 FT  
(selling unit 12 pcs)  
Code 4404 6008

### 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 Sèkur 1 FT  
(selling unit 12 pcs)  
Code 4404 6009

### S-60



Extended frame provides excellent coverage.  
Anatomically shaped nose to adapt all faces.  
Soft temple slot to fit different head profile.  
Dual-injected rubber will not peel off easily.  
Clear lenses and black frame.  
Frame marking: Sèkur EN 166 FT CE  
Lens marking: 2-1,2 Sèkur 1 FT  
(selling unit 12 pcs)  
Code 4404 6025

## 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  
(selling unit 12 pcs)  
Code 4404 6004



## SAFETY GOGGLES

Safety goggles against gases and fine dust particles. Complying with EN 166.

### 888

Safety goggles for the protection against gases and fine dust particles. Made of rubber harness and frame, with two replaceable and antifogging polycarbonate oculars model Lexan 3 mm.  
Frame marking: EN 166 5 CE  
Lens marking: DPI 1 S N  
Codice 4331 2000





## SEKUR ROCK HELMETS

The Sèkur Rock safety helmet, conforming to EN 397, ensures optimal impact protection from objects such as stones, roofing tiles, bricks and other items of similar weight as well as from electrical discharges up to 440 Vac. The helmet gives effective protection at temperatures ranging from 50°C to -30°C.

The helmet shell is made of high-density injected polyethylene. The shell surface is smooth, with twin ribs along the length and a solid rib of triangular cross-section that provide greater rigidity to the helmet. The helmet also has a visor in the middle and a water rim around the remaining perimeter. The interior of the shell contains six housings to attach the harness.

The harness is manufactured of injected linear polyethylene with high impact absorption capacity. The harness contains a head strap, neck strap and six buffering straps. The head strap is covered in the front with a fabric sweat band. The neck band can be adjusted for different sizes. The height can be adjusted too.

Ideal for working all day in areas susceptible to falling objects and electrical discharges up to a voltage of 440 Vac, providing full, long-lasting protection.

Ready to fit ear protectors, visor and chin strap.

Weight 320-347 g. Size 52 – 61.

60 pcs in a carton.



Available colours:

Sèkur Rock Yellow

Code 4400 4000

Sèkur Rock White

Code 4400 4001

Sèkur Rock Blue

Code 4400 4002

Sèkur Rock Red

Code 4400 4003

Sèkur Rock Orange

Code 4400 4004

Chin strap

Code 4400 4006

Chin strap with chin rest

Code 4400 4007

Harness (spare part)

Code 4400 4005

Sweat band (spare part)

Code 4400 4008



## INDUSTRIAL GLOVES

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

### NEOPRENE GLOVES

Code 4410.2100/1/2/3

#### SEKUR M 2



- 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

### NITRILE GLOVES

Code 4410.2007/8/9/10

#### SEKUR M 3



- 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 according to DIN EN 388, thereby maximum service life

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