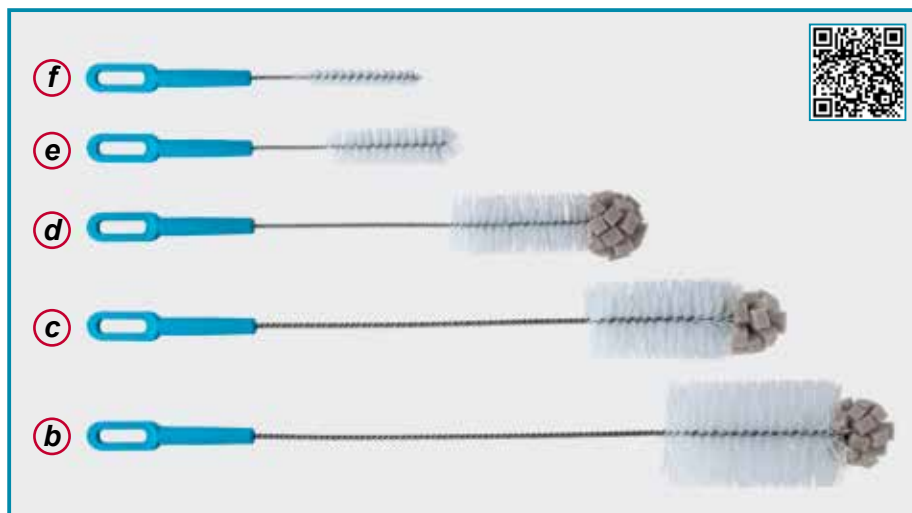




*cleaning & safety  
protection & sterilization*





brush code	catalogue number	product descriptions	brush diameter	brush length	pack quantity
a	071.02.001	Burette and tubings cleaning brush	20 mm	125 mm	1 piece
b	071.02.002	Large size bottle cleaning brush	70 mm	130 mm	1 piece
c	071.02.003	Medium size bottle cleaning brush	50 mm	110 mm	1 piece
d	071.02.004	Small size bottle cleaning brush	40 mm	110 mm	1 piece
e	071.02.005	Common test tubes cleaning brush	25 mm	100 mm	1 piece
f	071.02.006	Narrow test tubes cleaning brush	12 mm	80 mm	1 piece



### LABORATORY BRUSH "natural fibre / perlon"

- Excellent tools for washing and cleaning of all type of laboratory bottles, flasks, tubes, condensers, burettes etc.
- Brush material is manufactured from highest quality of fibre/perlon for long life cycle.
- Brush stem is manufactured from twisted steel wire.
- Brush handle is manufactured from polypropylene and offers extreme easy handling and use of the brush.
- Unique handle design enables hanging of the brush to a convenient place for easy reach.
- Spherical sponge top part enables access to every corner of the labware and guarantees perfect cleaning results.



Spherical sponge top part enables access to every corner of the labware and guarantees perfect cleaning results.

### LABORATORY BRUSH "hinged & swivel head"

- Specially recommended for curved and cornered labware such as round bottom flasks.
- Uniquely designed convex swiveling brush head gets contact with all over the surface of the flask including difficult curves and corners and enables thorough cleaning.
- The brush head has a slightly convex shape for fast and effective cleaning even also at heavy soiled flasks.
- Strong yet flexible bristles provide long lasting trouble free life cycle. Good grip due to the solid and long wooden handle.
- The swivel brush part fits through NS 29/32 or larger or any non tapered neck with a diameter 24 mm or larger.
- 360 mm length brush handle offers easy touch of the bottoms of larger size flasks.

catalogue number	swivel head size	handle length	pack quantity
071.03.001	21x44x24 mm	360 mm	1 piece

**LABORATORY BRUSH - "non - absorbant foam"**

- **Manufactured from non-absorbant reinforced foam which will not absorb water and not become soggy even after multiple use.**
- **Essentially much longer lasting than other common brushes.**
- **Cleans laboratory glassware with minimum effort and maximum efficiency.**
- **Will not chip, break or scratch laboratory glassware, can also be safely used on plastic labware.**
- **Ergonomically designed wide handles enable easy rotating of brush.**

**LABORATORY BRUSH - "flexible"**

- Specially recommended for labware with narrow neck and wider base such as flasks, erlenmeyers, bottles etc.
- Featured with a flexible body which perfectly adapts to the base and interior wall shape of the vessel to be cleaned.
- Offers perfect cleaning also for large size labwares with it's total length 370 mm and brush diameter 20 mm.



catalogue number	pack quantity
071.05.001	1 piece

**LABORATORY BRUSH - "round head"**

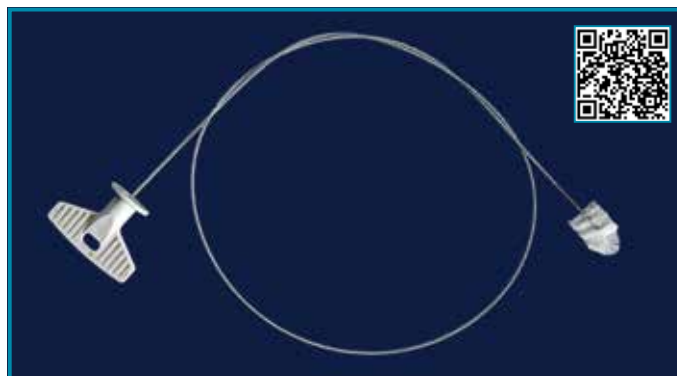


- Specially recommended for all labware with cylindrical form such as cylinders, beakers, vertical tanks and other similar flasks.
- Guarantees perfect cleaning with it's spherical cleaning brush part that touches every surface and corner of labware's interior.

catalogue number	brush size	brush diameter	total length	pack quantity
071.05.002	short	60 mm	350 mm	1 piece
071.05.003	long	70 mm	400 mm	1 piece

**LABORATORY BRUSH - "for tubings"**

- Specially recommended for hoses, tubings with diameter from 12 mm to 25 mm.
- Perfectly adapts to the rounding of the tube and flexible long handle enables even the round labware can be cleaned effectively.



catalogue number	brush diameter	total length	pack quantity
071.05.005	20 mm	1200 mm	1 piece

**LABORATORY BRUSH - "for tubes"**

- Specially recommended for tubes due to the unique design which fits to all tube sizes from the smallest to the largest diameter.
- Consists of two parallel cleaning brush rods held by a single head. The rods can be pulled and moved to sides.
- This feature enables the contact of the brush all over the interior surface of different tubes with different diameters.
- This tube brush with its unique features guarantees fast and very effective cleaning of all tubes with different size and length.

catalogue number	brush diameter	total length	pack quantity
071.05.004	25 mm	180 mm	1 piece



## DRAINING RACK

➤ These professional draining racks cover all the cleaning demands of a modern laboratory.

➤ Manufactured from water resistant, sturdy polyresin thick plate for life time usage.

➤ **Medium size rack with 72 peg compartments**

➤ **Alternative 2 racks:**

➤ **Large size rack with 122 peg compartments**

➤ The collecting tray at the bottom part collects the drained water and dispenses with the help of a hose supplied as a standard to the rack.

➤ Supplied complete with wall mounting kit, draining hose and fixing template.

➤ Draining racks are supplied with 16 small and 16 large pegs. Please kindly order for more pegs separately.



*The collecting tray at the bottom part collects the drained water and dispenses by a hose supplied as a standard to the rack.*

*Draining racks are supplied without packs pegs. Pegs should be ordered separately.*

catalogue number	rack width	rack height	peg quantity	pack quantity
071.01.002	500 mm	610 mm	72	1 piece
071.01.003	500 mm	1010 mm	122	1 piece



## DRAINING PEGS

➤ Pegs are manufactured from ABS which is extremely resistant side effects. Pegs are supplied disassembled and can easily be inserted into the related compartments on the draining rack.

catalogue number	for flask neck diameter	peg type	peg form	pack quantity
071.01.101	15 mm & more	large	triangular	16 pieces
071.01.102	6 mm - 15 mm	small	round	16 pieces



## DRAINING RACK

➤ Manufactured from high quality, chromated steel. Double shelf design offers practical use and best draining option with all size of glasswares.

catalogue number	dimensions (mm)	pack quantity
071.01.004	475x310x310	1 piece



Committed to

Quality

Eschau - Germany

[www.isolab.de](http://www.isolab.de)

## AUTOCLAVE - "vertical"

- This easy to use, desktop, vertical autoclave offers practical solutions for sterilization.
- Safe, reliable and complete sterilization is guaranteed by immersion type electrical heating elements with high thermal efficiency.
- Sterilization chamber is manufactured from single piece stainless steel of 2,5 mm thickness.
- "Over-temperature" and "over-pressure" systems ensures highest safety level during operation run cycle.
- Silicone sealing ring guarantees excellent and safe closure and prevents steam leakage offering always clean and dry environment.
- Featured with a LED screen electronic timer enabling the time control between 1 - 99 minutes.
- Operative pressure clearly visible and controllable by a pressure gauge. Also featured with buzzer type alarm function for low water level.

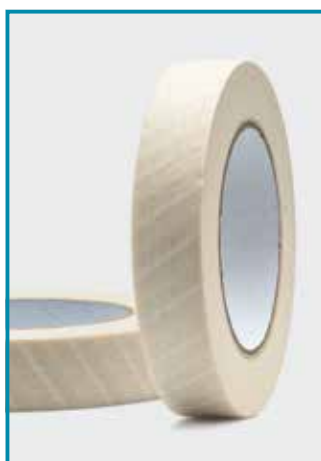


"Over-temperature" and "over-pressure" systems ensures highest safety level during operation cycle.



## TEST INDICATOR - "for steam sterilization"

- Specially designed for steam sterilisation tests. Consist of a rolled paper with temperature sensitive stripes on the surface.
- These stripes changes color once the ambient temperature reaches steam sterilisation temperature level.
- Irreversible color change from pale yellow to dark brown proves that the sterilisation protocols has been successfully covered.
- Adhesive at the back of the rolled paper strongly adheres to paper, plastic and textile surfaces yet easily removable without leaving any trace.
- Slightly crepped paper surface allows easy marking by any kind of pen.



Featured with a LED screen electronic timer enabling the time control between 1 - 99 minutes.

catalogue no	601.02.024
external dimensions (mm)	390 x 400 x 690
chamber dimensions (mm)	Ø280 x 310
chamber volume (L)	24
voltage (V)	220
frequency (Hz)	50 / 60
power (kW)	2,0
sterilizing (pressure / temp.)	100 - 120 KPa / 121°C 200 KPa / 127°C
water tank capacity (lt)	1,5
water consumption / cycle (lt)	0,4
internal material	stainless steel
external material	stainless steel
safety devices	over heat protection over pressure protection leakage breaker safety valve door lock system

catalogue number	roll width	roll length	pack quantity
101.03.001	19 mm	50 m	1 piece

## cleaning & safety & protection & sterilization

### ULTRASONIC CLEANERS - "standard"



- ▶ Offer ideal solutions for intensive and gentle cleaning of glassware, metal parts, electronic components, instruments.
- ▶ Featured with robust stainless steel vibration tank and housing with handles to carry on both sides. Tubs made of cavitation – proof stainless steel.
- ▶ Assures uniform, precision cleaning over the entire surface, and consistent cavitation that reaches and cleans even tiny crevices on the parts.
- ▶ Membrane keypad with digital LED panel for simultaneous display for set & actual temperature and set & actual time.
- ▶ Memory function keeps settings in memory for frequent and repeated operations.
- ▶ Pause function gives an option to pause and restart the operation at any desired moment.
- ▶ High heating performance ensures short warm-up period.
- ▶ Heating can be controlled up to 80°C with 1°C increments.
- ▶ Time control is possible between 1-60 minutes with 1 minute increments.
- ▶ Delivered complete with stainless steel lid and stainless steel "standard density" basket.
- ▶ Ultrasonic cleaners from 10 to 28 L are featured with a drainage valve for removal of the water from the tank.

catalogue no	621.05.001	621.05.003	621.05.006	621.05.010	621.05.015	621.05.022	621.05.028
ext. dimensions (mm)	175 x 155 x 225	265 x 165 x 225	365 x 175 x 285	420 x 265 x 285	365 x 340 x 365	540 x 340 x 365	540 x 340 x 365
tank dimensions (mm)	150 x 138 x 65	238 x 138 x 100	302 x 152 x 150	302 x 239 x 150	325 x 295 x 150	502 x 298 x 150	502 x 298 x 200
tank volume (L)	1,1 L	2,7 L	5,7 L	9,6 L	14,5 L	21,7 L	27,7 L
ultrasonic power (W)	60	120	180	240	360	360	480
frequency (kHz)	40	40	40	40	40	40	40
heating power (W)	60	180	300	300	500	600	600
max. heating (°C)	80	80	80	80	80	80	80
heating accuracy (°C)	± 1	± 1	± 1	± 1	± 1	± 1	± 1
time control (min)	1 - 60	1 - 60	1 - 60	1 - 60	1 - 60	1 - 60	1 - 60
drainage valve	N/A	N/A	N/A	yes	yes	yes	yes
standard accesories	basket & lid	basket & lid	basket & lid	basket & lid	basket & lid	basket & lid	basket & lid



Ultrasonic cleaners from 10 to 28 L featured with a drainage valve for removal of dirty water.



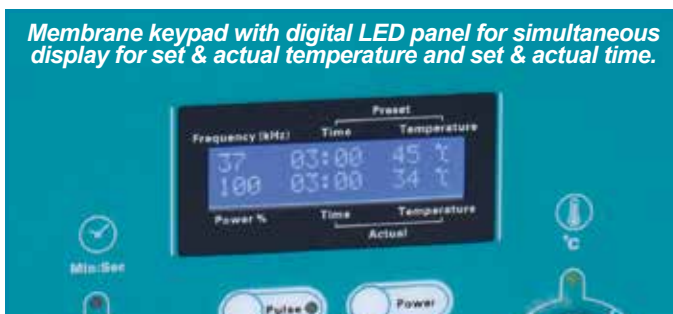
Featured with sturdy, stainless steel handles for safe and easy hold of the ultrasonic bath.



### ULTRASONIC CLEANERS

*“with sweep & degass & pulse functions”*

- These ultrasonic cleaners are features with “sweep”, “degass” and “pulse” functions. Most specks are similar to standard ultrasonic cleaners.
- They also offer ideal solutions for intensive and gentle cleaning of glassware, metal parts, electronic components, instruments.
- Featured with robust stainless steel vibration tank and housing with handled to carry on both sides. Tubs made of cavitation - proof stainless steel.
- Assures uniform, precision cleaning over the entire surface, and consistent cavitation that reaches and cleans even tiny crevices on the parts.
- Memory function keeps settings in memory for frequent and repeated operations.
- Pause function gives an option to pause and re-start the operation at any desired moment.
- High heating performance ensures short warm-up period. Heating can be controlled up to 80°C with 1°C increments.
- Time control is possible between 1-60 minutes with 1 minute increments.



catalogue no	621.06.003	621.06.006	621.06.010
ext. dimensions (mm)	265x165x225	365x175x285	420x265x285
tank dimensions (mm)	238x138x100	302x152x150	302x239x150
tank volume (L)	2,7 L	5,7 L	9,6 L
ultrasonic power (W)	160	240	320
frequency (kHz)	37	37	37
heating power (W)	150	270	310
max. heating (°C)	80	80	80
heating accuracy (°C)	± 1	± 1	± 1
time control (min)	1 - 60	1 - 60	1 - 60
drainage valve	N/A	N/A	yes
standard accesories	basket & lid	basket & lid	basket & lid

### ULTRASONIC CLEANER DETERGENT

- Higly effective special cleaner for cleaning items in ultrasonic baths intensively.
- Removes distillation deposits, tars, grease, resins, adhesives, fats, oils, metal oxides, mineral dirt and similar soiling without leaving traces only with consumption of less than 2 % of the tank volume.
- Supports ultrasonic cleaning process, ideal for washing operations which are normally too difficult for ultrasonics alone.
- Extremely gentle on ware with almost neutral pH value. Fully water soluble, low-foaming, low phosphate content, non-combustible, no gas formation, non-toxic, biodegradable.
- Although can be used cold water, using in hot water intensifies and accelerates the cleaning effect.

catalogue number	pack specs	pack quantity
621.01.101	P.P bottle	1 L



## cleaning & safety & protection & sterilization



### BRUSH "for intensive cleaning"

- Specially recommended for all applications which require intensive cleaning.
- Brush part consists a mixture of natural hair and very soft bristles providing long lasting trouble free life cycle.
- Ergonomic handle offers the best grip option.
- Can also be used for cleaning larger surfaces such as benches, floor.

catalogue number	pack quantity
071.06.001	1 piece



### BRUSH "for dish washing"

- Specially recommended for all applications such as dish washing and intensive cleaning of large surfaces.
- Brush part consists several layers of sponges with different density and also a scrubbing layer at the bottom line.
- Handle offers the best grip option.

catalogue number	pack quantity
071.06.002	1 piece



### WIPES - "microfibre"

- Manufactured from microfibre textile with high tensile strength with 300 x 400 mm dimensions.
- Specially recommended for lifting and trapping dirt from surfaces for fast and efficient cleaning. No chemicals are required during cleaning.
- Absorbs and retains up to 8 times its weight. Can be washable hundreds of times without getting tired.
- Supplied as two wipes: one for glass surfaces, the other for general use.

catalogue number	pack quantity
071.07.003	set of 2

### TISSUES - "cellulose" - "paper"

- Manufactured from non-chlorine bleached cellulose as double ply sheets with 195 x 195 mm dimensions.
- Ultra soft, chemically inert, highly absorbent and low lint cellulose offers the best reliable results.
- Specially recommended for wiping and cleaning of labware and also for other use such as cleaning pipettes and slides, wiping small amounts of liquids etc.
- Supplied in a handy dispenser box for hygienic storage and easy removal.

catalogue number	pack quantity
080.65.002	100 pieces



### CLEANING TOWEL

- Manufactured from pure cellulose with high degree of water absorption.
- Offers cost effective solutions to other alternatives.
- High capacity water absorption level guarantees multi-usage of these towels.
- Cut and packed according to the interior dimensions of the towel dispenser.

catalogue number	towel dimensions	pack quantity
080.65.004	230 x 220 mm	200 pieces



### TOWEL DISPENSER

- Designed to be used with paper towel dispensers. Can carry 200 towels at one time.
- Paper towels can be pulled from the bottom part for fast and easy dispense.
- Acrylic front panel enables visual control of the towel quantity.
- Can be easily mounted on the wall for practical use.

catalogue number	dimensions	pack quantity
080.67.001	266 x 287 x 107 mm	1 piece



### TRAYS - "polypropylene"

- Manufactured from polypropylene for multi-purpose use. Injection moulded as one piece, durable and featured with a strong rim around the body.
- Usable with food-stuff, hygienic and easy to clean. Easily stackable for reducing storage space.

catalogue number	base dimensions	height	pack quantity
062.40.901	172 x 115 mm	55 mm	1 piece
062.40.902	210 x 145 mm	65 mm	1 piece
062.40.905	278 x 195 mm	80 mm	1 piece



### TRAYS - "stainless steel"

- Manufactured from high quality, chemical and corrosion resistant AISI 304 grade stainless steel for multipurpose use.
- Robust and seamless construction guarantees long life cycle. Smooth polished surfaces provide fast and easy cleaning.

catalogue number	base dimensions	height	pack quantity
062.42.910	400 x 500 mm	50 mm	1 piece
062.42.915	450 x 600 mm	50 mm	1 piece
062.42.920	500 x 700 mm	50 mm	1 piece



### BUCKET

- Buckets with lid are manufactured from polypropylene. Featured with a sturdy carry handle for easy lift and with a lid for complete closure of the bucket.

catalogue number	volume	top dia. x height	pack quantity
062.60.901	1 L	120 x 122 mm	10 pieces
062.60.902	2 L	165 x 138 mm	10 pieces
062.60.903	3 L	190 x 132 mm	10 pieces
062.60.905	5 L	210 x 171 mm	10 pieces
062.60.909	9 L	259 x 226 mm	10 pieces
062.60.918	18 L	310 x 275 mm	10 pieces

catalogue number	volume	top dia. x height	pack quantity
062.61.909	9 L	265 x 250 mm	1 piece
062.61.914	14 L	302 x 295 mm	1 piece



### SAFETY BOXES

- Manufactured from polypropylene according to UN3291 standard. Labelled according to international standards. Resistant to solvents. Thick wall offers puncture resistance to all means.
- Ideal to safe disposal of contaminated products such as needles, syringes, lancets etc.
- For safety reasons the main lid is permanently locked and sealed once pressed on the body. Lid provided with a built-in flat opening for waste entry having a temporary and permanent closing system.

catalogue number	volume	dimensions	pack quantity
062.80.901	1.3 L	70 x 115 x 165 mm	1 piece
062.80.903	3.0 L	180 x 215 x 110 mm	1 piece
062.80.905	5.0 L	175 x 215 x 185 mm	1 piece
062.80.912	12.0 L	225 x 270 x 265 mm	1 piece
062.80.925	25.0 L	270 x 300 x 435 mm	1 piece

## cleaning & safety & protection & sterilization

### GOGGLE



➤ Comfortable, ergonomically designed goggle offers unrestricted 180° panoramic visibility. Also suitable for wearing over prescription spectacles.

➤ Ultra clear, scratch-proof, anti-fog visor guarantees very high mechanical stability.

➤ Provides a modern styling in combination with comfort. Offers supreme wearing comfort due to the light body.

➤ Can be adjusted quickly providing reliable all-round protection. Adapts to individual face curvature providing complete side protection

catalogue number	pack quantity
080.40.007	1 piece



*Additional ventilation via integrated air channels enables optimal indirect ventilation ensuring mist-free usage.*



### SAFETY SPECTACLES



➤ Manufactured from ultra clear, impact resistant, UV protected polycarbonate according to CE EN166 standard.

➤ Sporty and modern design with high mechanical strength.

➤ Featured with a clear scratch-proof, anti-fog, lens with 100% UV protection.

➤ Large panorama lens offer 180° extreme broad field of vision.

➤ Offers supreme wearing comfort with 18 gram light weight.

➤ Ergonomically design and slim nose bridge offers perfect fit.

➤ Different frame colors offer visual sorting and better organising.

### SAFETY SPECTACLES

➤ Manufactured from ultra clear, impact resistant, UV protected polycarbonate according to CE EN166 standard.

➤ Ergonomic design guarantees perfect fit. Large panorama lens offer 180° extremely broad field of vision.

➤ Recommended for factory visits, assembly lines and laboratory routine work. Suitable for wearing over common prescription spectacles.

➤ Guarantees full protection including eyebrow and eye sides. Offers supreme wearing comfort with 39 gram light weight.



spectacle blue frame	spectacle purple frame	spectacle ruby frame	spectacle green frame	pack quantity
080.40.002B	080.40.002P	080.40.002R	080.40.002G	1 piece

spectacle clear lens	pack quantity
080.40.003	1 piece

## SAFETY SPECTACLES



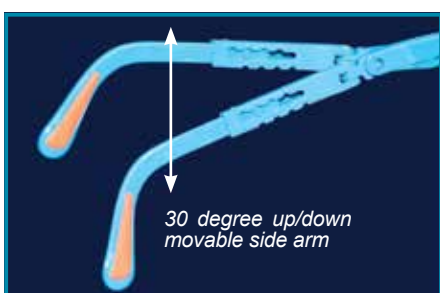
- Manufactured from ultra clear, impact resistant, UV protected polycarbonate according to CE EN166 standard. Ergonomic design guarantees perfect fit.
- Featured with a clear scratch-proof, anti-fog, lens with 100% UV protection. Guarantees full protection of eyes including eyebrow and eye sides.
- Offers supreme wearing comfort with 27 gram light weight. Large panorama lens offer 180° broad field of vision.
- 30 degree up/down movable side arm also guarantees the optimum lens angle adjustment for the best configuration.
- Featured with side arm length adjustment with integrated stop lock for perfect fit of the spectacle to the face and optimum coverage of the eyes.
- Soft silicone ear pads at the side arms offer supreme wear comfort and pressure-free fit.

spectacle  
clear lens

080.40.004

pack  
quantity

1 piece



30 degree up/down movable side arm also guarantees the optimum lens angle adjustment.



spectacle  
with clear lens

080.40.001

spectacle  
with dark lens

080.40.011

## SAFETY SPECTACLES



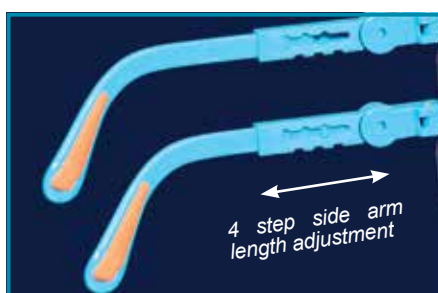
- Manufactured from ultra clear, impact resistant, UV protected polycarbonate according to CE EN166 standard.
- Featured with a clear scratch-proof, anti-fog, lens with 100% UV protection.
- Offers modern styling and very high mechanical strength and full protection to eyes with wide curved lens.
- Ergonomic design guarantees perfect fit. Large panorama lens offer 180° extremely broad field of vision. Offers supreme wearing comfort with 27 gram light weight.
- 30 degree up/down movable side arm also guarantees the optimum lens angle adjustment for the best configuration.
- Featured with side arm length adjustment with integrated stop lock for perfect fit of the spectacle to the face.
- Soft silicone ear pads at the side arms offer supreme wear comfort and pressure-free fit. Soft silicone nose loops prevent slipping and ensure comfortable sit on the nose.
- Spectacle with a dark lens offers UV 400 protection against direct sunlight exposure.
- Spectacle with a yellow lens offers UV 254 protection against laser and UV light.

spectacle  
with yellow lens

080.40.021

pack  
quantity

1 piece



3 step side arm length adjustment for perfect fit to the face and optimum coverage of the eyes.



Soft silicone ear pads at the side arms offer supreme wear comfort and pressure-free fit.



### SAFETY SHIELD

- Manufactured from polypropylene with integrated forehead safety cover.
- Provides excellent protection of full face against chemical splashes and flying objects.
- 1,5 mm thick fold-up protective visor manufactured from ultra clear acrylate with extra clear vision in all angles.
- Can be worn on the masks, goggles and spectacles. Ultra light weight guarantees full comfort.
- Rotating fastener for easy and fast adjustment to individual head shapes and sizes.
- Variable lift-up mechanism with locking option at any desired position and angle offers practical use.
- Soft sweat band eliminates sweat drops and offers comfortable use.

catalogue  
number

080.40.010

pack  
quantity

1 piece



Variable lift-up mechanism with locking at any position. Soft vinyl band offers comfortable use.



### EAR PLUGS

- Manufactured from non-allergic, very soft, comfortable to wear PU foam with excellent sound insulation.
- Unique design offers wearing comfort even when worn extended hours.
- Optimised bell shape guarantees perfect fit even to ears with smaller auditory canals with a simple insertion.
- Once used seals the ear channel without the risk of slipping out.
- Featured with a cord fixing two plugs each other reducing the risk of loss. Easy to store when not in use.

catalogue  
number

069.04.001

pack  
quantity

set of 2



Illumination angle is adjustable in all directions by swivel mechanism.



### EAR MUFF

- Low weight ear muff consists of two part ear pad with well ventilated and soft cushions.
- Offers perfect noise isolation and protection in extremely noisy environments.
- Steel suspensions headband system resistant to bending and providing comfortable pressure on ears.
- Quick-click adjustment enables headbands to adapt quickly to all head shapes and sizes and offers exceptional wearing comfort.
- Ear pads can be folded when not in use for protection against dust and other effects.

catalogue  
number

069.04.002

pack  
quantity

1 piece

### LED LIGHT SOURCE

- Offers perfect illumination at dark working environments.
- Featured with a side clamp for easy and practical attachment of the light source to spectacles.
- Supplied with easily replaceable batteries with long life cycle.

catalogue  
number

069.03.005

pack  
quantity

1 piece



### CLEANING TISSUES

- Manufactured from very thin best quality paper based on 100 % manile fibre. Cut with dimensions 100 x 150 mm.
- Guarantees fast and very effective cleaning of spectacles, goggles, microscope objectives, binoculars and all similar optical lens involved items.
- Never leaves any fibers or dust on the cleaned surface.
- These papers never scratches and damages the surfaces. They guarantee non-abrasive cleaning.
- Supplied in a handy booklet of 100 tissue sheet for hygienic storage and for easy dispensing.

catalogue number	dimensions	pack quantity
080.65.003	100 x 150 mm	1 booklet



### CABINET

- Manufactured from crystal clear acylic with excellent field of vision for storing spectacles.
- Guarantees safe storage of spectacles from dust and other enviromental effects.
- Also can be used to store similar size of other type objects. 5 shelves with generous openings provide easy and safe access to partitions.
- Cover is featured with easy opening hinged lid. Magnetic clasp on the lid guarantees safe closure of the cabinet.
- Once opened, the lid stands open and enables easy filling and dispensing.
- Delivered with necessary attachment screws to be mount to the wall.



### ULTRASONIC BATH

- Designed for intensive and gentle cleaning of small size objects such as spectacles.
- Assures uniform, precision cleaning over the entire surface.
- Featured with a digital LED panel for set & actual time.

catalogue no	621.08.001
ext. dimensions (mm)	205 x 145 x 125
tank dimensions (mm)	168 x 110 x 52
tank volume (L)	0,6
voltage (V)	110 - 220
frequency (Hz)	50 / 60
ultrasonic power (W)	35
frequency (kHz)	42
time control (sec)	60/120/180/240/300

### ANTIFOG SET

- Offers 24 hour protection against fogging and keeps the spectacles always with a clear visibility.
- Set consists of 1 x spray unit with antifogging solution and 1 x cleaning ped.
- The application is very simple and effective. Just press the vaporisation button of the spray unit and spread of the antifogging solution all over the spectacle lens.
- Than wipe and clean the lens with the help of the provided cleaning ped.

catalogue number	pack quantity
080.40.102	1 piece



Holes at the corners of the frame provides wall mounting option



Magnetic clasp on the lid guarantees safe closure of the cabinet.

catalogue number	shelf quantity	external dimensions	pack quantity
080.40.101	5	110x260x400 mm	1 piece



## cleaning & safety & protection & sterilization



### GLOVES - "nitrile" - "0,06 mm standard thickness"

- Manufactured pure nitrile free from phthalate softeners and latex proteins which cause allergy to the skin.
- Provides a standard thickness of 0,06 mm which is recommended for daily laboratory use.
- Classified as CE category 1. Tested in accordance with EN420:2003 standard.
- Provided with AQL 1,5 offering the highest level of protection according to EN374-2:2003 against penetration of microorganisms.
- 40 % more stronger and 60 % leaner than latex gloves.
- Provides full protection against wide range of chemicals including cytotoxic drugs.
- Easy to wear. Unique production techniques offer excellent mechanical strength providing multi-use options.
- Excellent fit to the hands guarantees maximum comfort.
- Slightly textured finger parts guarantee excellent grip option.

catalogue number	size	color	AQL	length	thickness	pack quantity
080.15.001	Small (7)	purple	1.50	240 mm	0,06 mm	100 pieces
080.15.002	Medium (8)	purple	1.50	240 mm	0,06 mm	100 pieces
080.15.003	Large (9)	purple	1.50	240 mm	0,06 mm	100 pieces
080.15.004	X Large (10)	purple	1.50	240 mm	0,06 mm	100 pieces

### GLOVES - "nitrile" - "0,12 mm extra thickness"

- Manufactured pure nitrile free from phthalate softeners and latex proteins which cause allergy to the skin.
- Provides extra thickness of 0,12 mm which is recommended for daily laboratory use.
- Thick gloves are specially designed for life science, biomedical research, forensic science and drug handling applications.
- **Extra thickness guarantees extra safety.**
- Classified as CE category 1. Tested in accordance with EN420:2003 standard.
- Provided with AQL 1,5 offering the highest level of protection according to EN374-2:2003 against penetration of micro-organisms.
- 40 % more stronger and 60 % leaner than latex gloves.
- Provides full protection against wide range of chemicals including cytotoxic drugs.
- Easy to wear. Unique production techniques offers excellent mechanical strength providing multi-use options.
- Excellent fit to the hands guarantee maximum comfort. Slightly textured finger parts guarantee excellent grip option.

catalogue number	size	color	AQL	length	thickness	pack quantity
080.16.001	Small (7)	blue	1.50	240 mm	0,12 mm	100 pieces
080.16.002	Medium (8)	blue	1.50	240 mm	0,12 mm	100 pieces
080.16.003	Large (9)	blue	1.50	240 mm	0,12 mm	100 pieces
080.16.004	X Large (10)	blue	1.50	240 mm	0,12 mm	100 pieces



### how to measure the right glove size?



- You have to select the right size of glove for your hands for your comfort.
- How you will select the right size of your glove? Measure the circumference of your dominant hand just below the fingers excluding the thumb. Compare the measurement to the size chart below to find your glove size.

<b>XS</b>	<b>S</b>	<b>M</b>	<b>L</b>	<b>XL</b>	<b>XXL</b>
(6" - 7")	(7" - 8")	(8" - 9")	(9" - 10")	(10" - 11")	(11" - 12")

**GLOVES - "for safe handling"**

➤ Manufactured from light weight 100 % cotton for multi-use. Unique design provides both left and right handed use.

➤ Easy to wear. Soft and flexible texture offers full comfort during use. Thick yet stretchable. Protects the sensitive skin.

➤ Makes unlined gloves easier to pull or to wear. Also prevents

from moderate levels of cold and heat. They are machine washable.

catalogue number	total length	pack quantity
080.13.001	260 mm	1 pair

**GLOVES - "for cold protection"**

➤ Economical and practical glove specially designed to work in cold environments.

➤ Recommended to be used in cold treatment plants, handling dry ice, working with coolents.

➤ Offers full protection very against even cold temperatures such as -140°C.

➤ Easy to wear. Soft and flexible texture offers full comfort during use. Thick yet stretchable. Protects the sensitive skin.

➤ The outer part of the glove is covered with a heat repellent leather. While the inner part is featured with soft and flexible protective textile.

➤ Even working at very low temperatures with extended hours it still remains flexible.

catalogue number	total length	pack quantity
080.10.201	450 mm	1 pair

**GLOVES - "for cold protection"**

➤ Specially designed to work in hazardous ultra-cold environments. Recommended to be used in cold treatment plants, handling dry ice, working with coolents. Not immersion in liquid nitrogen.

➤ Multi-layer construction provides light weight and full comfort during use. State-of-art material is breathable and stays always comfortable and dry.

➤ Offers full protection against even very cold temperatures such as -160°C. The innovative design offers superior thermal protection and maximum level of flexibility.

➤ Even working at very low temperatures with extended hours it still remains flexible.

catalogue number	glove length	pack quantity
080.10.101	450 mm	1 pair

**GLOVES - "for heat protection"**

➤ Manufactured from soft, flexible, heat resistant pliant terry cotton material.

➤ Easy to wear. Soft and flexible texture offers full comfort.

➤ The upper part is covered with a heat repellent material. While the palm part is manufactured from heat resistant soft and flexible leather.

➤ Offers maximum isolation and protection up to for limited time 250°C when working with autoclaves and muffle furnaces.

➤ Guarantees a long life cycle since they can be machine washable.

catalogue number	total length	pack quantity
080.11.001	380 mm	1 pair

## cleaning & safety & protection & sterilization



### GLOVES - "nitrile" - "for chemical protection"

- ▶ Manufactured from pure nitrile free from phthalate softeners and latex proteins.
- ▶ Classified as CE category III they can be used both at laboratories and industry.
- ▶ Offers excellent protection against alcohols, oils, greases, and hydrocarbons.
- ▶ Provide superior mechanical resistance against abrasion and perforation.
- ▶ Excellent fit and flexible texture offers full dexterity and comfort during use.
- ▶ Cotton flock liner inside the glove absorbs moisture and prevents sweating during use.
- ▶ Slightly textured fingers and palm guarantees excellent grip.

catalogue number	size	length	thickness	internal finish	external finish	pack quantity
080.21.007	7	320 mm	0,38 mm	flocked	embossed	1 pair
080.21.008	8	320 mm	0,38 mm	flocked	embossed	1 pair
080.21.009	9	320 mm	0,38 mm	flocked	embossed	1 pair



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- ▶ Cotton flock liner inside the glove absorbs moisture and prevents sweating during use.
- ▶ Slightly textured fingers and palm guarantees excellent grip.

catalogue number	size	length	thickness	internal finish	external finish	pack quantity
080.22.007	7	355 mm	0,85 mm	flocked	embossed	1 pair
080.22.008	8	355 mm	0,85 mm	flocked	embossed	1 pair
080.22.009	9	355 mm	0,85 mm	flocked	embossed	1 pair



### GLOVES - "neopren" - "for chemical protection"

- ▶ Manufactured from polychloroprene which can cause allergy to the skin.
- ▶ Classified as CE category III they can be used both at laboratories and industry.
- ▶ Offer protection against semi-concentrated acids, concentrated bases, concentrated saline solutions, glycerol, solvents, alcohols, fats and oils.
- ▶ Excellent fit and flexible texture offers full dexterity and comfort during use.
- ▶ Cotton flock liner inside the glove absorbs moisture and prevents sweating during use.
- ▶ Slightly textured fingers and palm guarantees excellent grip and handling option both for dry, wet and oily products.

catalogue number	size	length	thickness	internal finish	external finish	pack quantity
080.23.007	7	310 mm	0,55 mm	flocked	embossed	1 pair
080.23.008	8	310 mm	0,55 mm	flocked	embossed	1 pair
080.23.009	9	310 mm	0,55 mm	flocked	embossed	1 pair



### GLOVES - "for thermal resistance"

- ▶ Manufactured from nitrile foam. Suitable for handling hot objects up to 125°C. Also ideal for handling of materials after heat.
- ▶ Classified as CE category II they can be used both at laboratories and industry.
- ▶ Thin anatomical shape ensures dexterity. Offers excellent fit to the hands.
- ▶ Nitrile spheres at the palm and finger parts guarantees perfect insulation with excellent grip option.

catalogue number	size	length	internal finish	external finish	pack quantity
080.26.007	7	280 mm	flocked	dotted	1 pair
080.26.009	8	280 mm	flocked	dotted	1 pair
080.26.010	9	280 mm	flocked	dotted	1 pair



**GLOVES - "silicone"**

- Manufactured from best quality natural silicone resistant both to heat and cold.
- Guarantees excellent chemical and temperature resistance between -60°C to +170°C.
- Very flexible and slip-proof characteristics guarantee easy and safe grip of all kinds of flasks and vessels

catalogue number	glove type	pack quantity
080.18.001	for 5 fingers	1 piece
080.18.002	full hand	1 piece



**HEAT PROTECTOR**

- Manufactured from natural silicone for protecting fingers. Resistant both to heat and cold.
- Offers excellent chemical and temperature resistance between -60°C to +170°C.
- They offer a practical and economical alternative to gloves.
- Very flexible and slip-proof characteristics guarantee easy and safe grip of all kinds of flasks and vessels.

catalogue number	glove type	pack quantity
080.17.001	for 2 fingers	1 piece



**HEAT PROTECTOR**

- Manufactured from natural silicone for protecting hands. Resistant both to heat and cold.
- Offers excellent chemical and temperature resistance between -60°C to +170°C.
- They offer a practical and economical alternative to gloves.
- Very flexible and slip-proof characteristics guarantee easy and safe grip of all kinds of flasks and vessels.

catalogue number	glove type	pack quantity
080.17.002	for 5 fingers	1 piece

**DISPENSER BOX - "for nitrile glove boxes"**

- Manufactured from crystal clear acrylic with excellent field of vision for storing and dispensing nitrile glove boxes.
- Perfect tools for storing and easy dispensing 4 different sizes gloves simultaneously.
- 4 compartments with easy inserts perfectly fit to the outer dimensions of the extra thick glove boxes and holds them stable at their positions.
- Designed for use either on desk top or wall mounted.
- Delivered with necessary attachment screws to be mount to the wall.
- **Alternative 2 box size:**
  - box for standard gloves
  - box for thick gloves
- Box for standard gloves can also accommodate the cleaning tissue box **catalogue number 080.65.002.**

catalogue number	dimensions	for gloves	pack quantity
080.05.001	215 x 70 x 465 mm	standard	1 piece
080.05.002	260 x 85 x 525 mm	thick	1 piece





### VISITORS GOWN

- Shirt collar design visitors gown without hood and without pockets. Closure is provided with snap fasteners.
- Featured with rubber fasteners at wrist. For single use. Manufactured for visitors protection at laboratories.
- Slightly porous texture of the textile guarantees air permeability and prevents sweating during use.
- Light weight. Easy to wear. Soft and flexible texture offers full comfort during use. Universal cut for fitting all body sizes.

**catalogue number**  
080.50.001

**pack quantity**  
1 piece



### CAPS

- Manufactured from breathable, antistatic non-woven fabric. Fully protects hair from dust and other particles.

**catalogue number**  
080.53.001

**pack quantity**  
100 pieces



### PROTECTOR SUIT

- Overall design protective suit with hood and without pockets. Closure is provided by zipper. Featured with rubber fasteners at wrist.
- For single use. Manufactured for employees and visitors protection at laboratories.
- Slightly porous texture of the textile guarantees air permeability and prevents sweating during use.
- Light weight. Easy to wear. Soft and flexible texture offers full comfort.

**catalogue number**  
080.50.011

**pack quantity**  
1 piece



### OVER SHOES

- Manufactured from polyethylene for disposable use. Guarantees clean and sterile environment once worn on the shoes.

**catalogue number**  
080.53.021

**pack quantity**  
100 pieces



### PROTECTOR SUITS - 5/6

- Manufactured from high density antistatic polyethylene, providing an ideal balance of protection, durability and comfort.
- Offers chemical protection according to category III ( type 5 & 6 ). Also offers an excellent barrier against fine particles down to 1 micron size.
- Protective suit with overall design perfectly suitable for clean room areas.
- Also practical use at pharmaceutical handling and many others.
- Guarantees air permeability and prevents sweating during use. Repels water based liquids and aerosols.
- Optimised body fit provides excellent wearer comfort. Featured with hood compatible with filtering face masks.
- Featured with rubber fasteners at wrist and around face.
- Closure is provided by auto-lock zipper with flap for increased protection.
- Light weight. Easy to wear. Flexible texture offers full comfort during use.

catalogue number	size	pack quantity
080.51.003	Medium	1 piece
080.51.004	Large	1 piece
080.51.005	X Large	1 piece
080.51.006	XX Large	1 piece



### DESK PROTECTOR - "paper"

➤ A practical desk protector offering full protection of desks against spilled solutions. Quickly absorbs liquids and keep spills from spreading. Absorbs up to 750 ml/m<sup>2</sup> Their thick protective layer eliminates the risk of glass breakage in case tilt over.

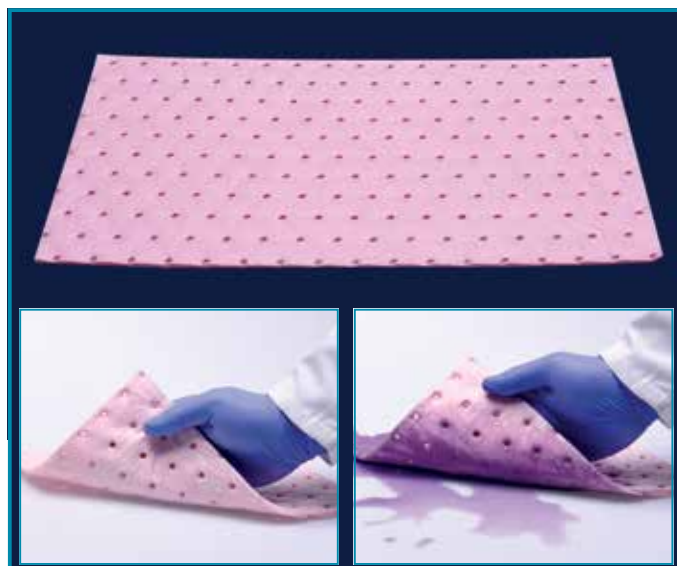
➤ **Thick and very absorbent paper layer soaks the spilled liquids and protects the laboratory desks.**

➤ **Consists of 2 layers:**

➤ **Flexible, water-proof polyethylene layer prevents the spilled liquid penetration to the laboratory desk.**

➤ Supplied as a roll of 50 meters length with 46 cm width.

catalogue number	pack quantity
080.66.001	1 piece



### CHEMICAL PADS

➤ Due to their microfibre structure they provide excellent absorption capacity. Consists of 8 layer highly absorbant fibers which altogether "imprisons" the liquids and never returns back.

➤ Quickly absorbs the spills of all kinds of liquids including water based liquids, solvents, alcohols, acids and alkalis and stores them absorbed. The absorbed liquid can be extracted to be used again or to be disposed of separately.

catalogue number	pad sheet dimensions	thickness	pack quantity
080.76.001	50 x 40 cm	3,4 mm	10 pieces

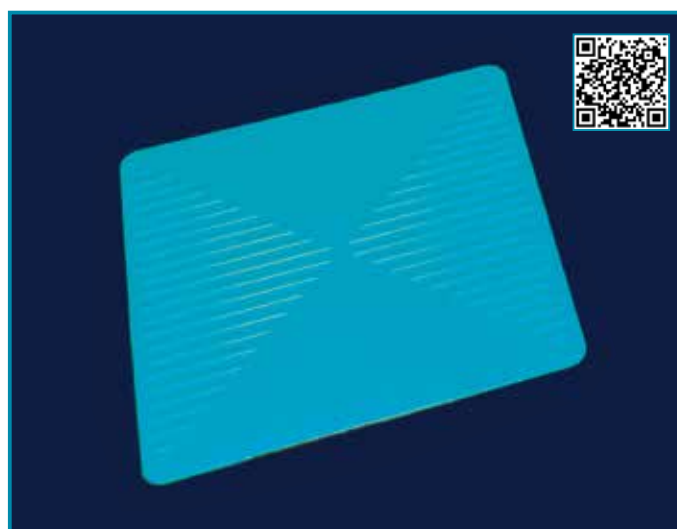


### DESK PROTECTORS - "cork"

➤ Manufactured from non-porous, additive free, best quality natural cork for protection of laboratory desks. Offers full protection against over heated flasks.

➤ Their thick protective layer eliminates the risk of glass breakage in case tilt over. Their light yet robust construction also significantly reduce vibration effects and noise.

catalogue number	dimensions	thickness	pack quantity
080.66.002	200 x 200 mm	10 mm	1 piece
080.66.003	300 x 300 mm	10 mm	1 piece



### DESK PROTECTORS - "silicone"

➤ Manufactured from best quality natural silicone resistant both to heat and cold. Guarantees excellent chemical and temperature resistance between -60°C to +170°C.

➤ Very flexible and slip-proof characteristics guarantees safe hold of all flasks and also instruments. They offer full protection of desks against spilled solutions and over heated flasks.

catalogue number	dimensions	specification	pack quantity
080.66.005	240 x 240 mm	corrugated surface	1 piece
080.66.006	340 x 340 mm	corrugated surface	1 piece

## cleaning & safety & protection & sterilization



### DUST MASK - "FFP-1"

- Offers protection against non-toxic harmful solid and liquid in concentrations up to 4 x OEL or 4 x APF.
- Specially recommended for calcium carbonate, china clay, cement, cellulose, cotton, sulfur, ferrous metals and foods.
- Convex design, aluminium nose-piece and adjustable fitting straps guarantee excellent fit to different face shapes.
- Light weight provides strain and fatigue free use even with extended hours.
- Inner and external layers of the mask manufactured from soft microfiber.

catalogue  
number

080.41.001

pack  
quantity

10 pieces



### DUST MASK - "FFP-2"

- Offers protection against low-to-average toxic solids, liquids and smoke up to 12x OEL or 10 x APF.
- Addition to FFP-1 protection limits also offers protection against glass wool, mineral oils, most bacterias and fungi.
- Convex design, aluminium nose-piece and adjustable fitting straps guarantee excellent fit to different face shapes.
- Exhalation valve significantly minimise warm and humid airflow into the mask.
- Other technical properties are same with "FFP-1" dust mask.

catalogue  
number

080.41.002

pack  
quantity

10 pieces



### DUST MASK - "FFP-3"

- Offers protection against highly toxic solids, liquids and smoke up to 50 x OEL or 20 x APF.
- Addition to FFP-2 protection limits also offers protection against heavy metal particles, smokes and odors and viruses.
- Convex design, aluminium nose-piece and adjustable fitting straps guarantee excellent fit to different face shapes.
- Exhalation valve significantly minimise warm and humid airflow into the mask.
- Other technical properties are same with "FFP-2" dust mask.

catalogue  
number

080.41.003

pack  
quantity

10 pieces



### MASK - "half face"

- Designed and manufactured according to DIN EN 140 and AS/ NZS 1716 standards for protection of mouth and nose.
- All parts contacting with the face are manufactured from silicone.
- Cool flow valve prevents built-up heat in the mask.
- Soft silicone facepiece perfectly fits to the contours of the face without pressure points providing full comfort.
- Filter system with exchangeable cartridge filter ensures low breathing resistance.
- Supplied with a multiple gas cartridge for protection from dust, fine particles, mist, smoke, organic vapours and gases with boiling point 65°C or above.

catalogue  
number

080.44.001

product  
descriptions

half face mask

pack  
quantity

1 piece

080.44.101

spare gas cartridge

1 piece



### MASK - "full face"

- Designed and manufactured according to EN 136:1998 for protection of full face.
- Featured with anti-stretch, anti-fogging, distortion-free polycarbonate shield.
- Cool flow valve prevents built-up heat in the mask.
- Soft silicone facepiece perfectly fits to the contours of the face without pressure points providing full comfort.
- Filter system with exchangeable cartridge filter ensures low breathing resistance.
- Supplied with a multiple gas cartridge for protection from dust, fine particles, mist, toxic smoke organic or inorganic vapours and gases with boiling point 65°C or above, sulfur dioxide, acidic gasses and ammonia gas.

catalogue  
number

080.45.001

product  
descriptions

full face mask

pack  
quantity

1 piece

080.45.101

spare gas cartridge

1 piece