Breathing Equipment
In compliance with the German fire service regulation FWDV 7-4 the following types of breathing apparatus are predominantly used by German fire brigades:

- Portable self-contained units, independent of the atmosphere, subdivided into container units and regeneration units.
- Container units:
  - Compressed air breathing apparatus/positive pressure breathing apparatus

When using a container unit the following components are necessary:

- Compressed air breathing apparatus, basic unit
- Lung demand valve
- Compressed air cylinder or compressed air cylinders with connector
- Face mask

The breathing apparatus can be made up according to need.

DRÄGER compressed air breathing apparatus

DrägerMan PSS 500 - Basic unit -
Carbon composite backplate with optimum carrying position close to the body’s centre of gravity. The cover opens downwards. Integrated Quick-Connect system for rapid change of cylinder. The valve control of the 90° Quick-Lock valve is safely positioned and provided with a safety lock to prevent inadvertent closing. Flameproof comfort harness with Kevlar-liner and wide shoulder and hip paddings for optimum weight distribution. Easy to remove for cleaning. The paddings can be exchanged individually. The hip belt swivels and slides with the wearer and is provided with lateral pull for force-locking adjustment. Universal cylinder fastening strap (high-temperature version) for all standard types of cylinders and cylinder combinations. With flexible cylinder support and centre positioning for 2-cylinder sets. Shoulder fork with fixed non-twist shoulder belts, adjustable to individual body heights.

The medium pressure line for the lung demand valve with quick acting safety coupling is lead over the shoulder and is easy to operate on the right (or left) shoulder belt. Pressure reducer with air supply of >1000 l/min, sufficient for 2 persons.

Options:
- Adaptor with non-return valve for a second lung demand valve or hose supply.
- Direct fill connection 300 bar. Requires lung demand valve with short medium pressure line. (Without cylinder(s) and without lung demand valve.)

Please note that all dimensions and weights noted in our catalogue are approximate values.

Some articles may not be available in specific countries. Details on request.
DrägerMan PSS 90 BG II
Basic unit with DrägerMan Bodyguard II.
Weight: 4.5 kg

DrägerMan PSS 90 *
Basic unit with manometer, as described overleaf. Manometer with fully luminescent face, injectorless warning whistle integrated into the manometer cap. The combination line for medium pressure to the warning whistle and integrated high pressure line for the manometer is lead over the shoulder.
Weight: 4.5 kg

DrägerMan PSS 100 BG II
Basic unit with DrägerMan Bodyguard II.
Weight: 5 kg

DrägerMan PSS 100 *
Basic unit with manometer, as described overleaf. Manometer with fully luminescent face, injectorless warning whistle integrated into the manometer cap. The combination line for medium pressure to the warning whistle and integrated high pressure line for the manometer is lead over the shoulder.
Weight: 4 kg

DrägerMan PSS 90 *
Ergonomic backplate of light carbon composite material with flameproof comfort harness with Kevlar-liner and wide shoulder and hip paddings for optimum weight distribution. Easy to remove for cleaning. The paddings can be individually exchanged. Hip belt with lateral pull for force-locking adjustment. Universal cylinder fastening strap (high-temperature version) for all standard types of cylinders and cylinder combinations. With flexible cylinder support and centre positioning for 2-cylinder sets. Flexibly mounted pressure reducer for quick adaptation of the compressed air cylinders.
Air supply >1000 l/min, sufficient for 2 persons.
Options:
Adaptor with non-return valve for a second lung demand valve or hose supply. Direct fill connection 300 bar.

Long medium pressure line on basic unit with quick acting safety coupling, easy to operate on the right (or left) shoulder belt. Requires lung demand valve with short medium pressure line. (Without cylinder(s) and without lung demand valve.)

When ordering the following individual configurations can be chosen:

1. Activation of the additional functions automatically (standard) or by means of control key.
2. Selection of cylinders:
   - 6 l/300 bar (standard)
   - 6.8 l/300 bar
   - 2x 4 l/200 bar
   - 2x 6 l/300 bar
   - 2x 6.8 l/300 bar
3. Warning signal at 50% cylinder pressure (without reserves) switched on (standard) or switched off.
4. Possibility for showing and input of a user identification switched off (standard) or switched on.

Bodyguard II with loud alarm signal, the first "remaining pressure" warning by means of stroboscopic flash, second independent "remaining pressure" warning by means of mechanical whistle, improved pressure sensor, inaction alarm can be deactivated, automatic activation of the unit when the cylinder is opened.
Weight: 0.5 kg

Some articles may not be available in specific countries. Details on request.

* = not illustrated
Lung demand valves
for compressed air breathing apparatus DrägerMan PSS 500, PSS 100 and PSS 90.
Small, light and low-noise. Housing of impact resistant synthetics, covered by a firm protective cap of silicon. Reliable and easy to maintain.

Lung demand valve PSS-N
with normal pressure standard thread Rd 40, with short medium pressure line, complying with EN 148-1.
Weight: 0.4 kg

Lung demand valve PSS-N *
with medium pressure line of 1.75 m for rescue purposes. With normal pressure standard thread Rd 40, complying with EN 148-1.
Weight: 0.5 kg

Lung demand valve PSS-AE
with positive pressure standard connector M 45 x 3, EN 148-3, with short medium pressure line.
Weight: 0.4 kg

Compressed air cylinders
Complying with DIN 3171 for breathing apparatus. With impact protected cylinder valve DIN EN 144, cylindrical screw union. Filled with breathing air in compliance with DIN EN 12021.

Steel cylinder 6 l/300 bar
Ø: 140 mm
Length with valve: 612 mm
Weight: 11.5 kg (filled)

Steel cylinder 6 l/300 bar extra light
Ø: 140 mm
Length with valve: 605 mm
Weight: 9.5 kg (filled)

Steel cylinder 4 l/200 bar *
Ø: 115 mm
Length with valve: 590 mm
Weight: 6.1 kg (filled)

Lung demand valve PSS-A
with positive pressure plug connection, with short medium pressure line.
Weight: 0.4 kg

Lung demand valve PSS-ESA
with positive pressure standard plug connection complying with vfdb guideline 0802, with short medium pressure line.
Weight: 0.4 kg

Adaptor for a second lung demand valve *
for retrofit on DrägerMan PSS 100, PSS 90 and PA 94 plus.

\* = not illustrated

Some articles may not be available in specific countries. Details on request.
CFRP cylinders
Up to 60% lighter than conventional cylinders, excellent wearing comfort.

CFRP cylinder 6 l/300 bar (Alu-liner) *
Ø: 158 mm
Length with valve: 560 mm
Weight: 6.5 kg (filled) .................................................... 58643

CFRP cylinder 6.8 l/300 bar (Alu-liner) *
Ø: 156 mm
Length with valve: 637 mm
Weight: 7.3 kg (filled) .................................................... 58647

CFRP cylinder 6.8 l/300 bar short (Alu-liner) *
Ø: 156 mm
Length with valve: 610 mm
Weight: 7.2 kg (filled) .................................................... 58646

CFRP cylinder 6.8 l/300 bar with synthetic liner
Ø: 157 mm
Length with valve: 642 mm
Weight: 6.5 kg (filled) .................................................... 58863

Cylinder valve DR 300 W 19, 8 KEG *
for 300 bar cylinders. .................................................... 58779

Cylinder valve DR 200 W 19, 8 KEG *
for 200 bar cylinders. .................................................... 58778

Direct fill connection
for retrofit of compressed air breathing apparatus PSS 100, PSS 90 and PA 94 plus in a Dräger service facility. Together with a direct fill hose the cylinders can be refilled without being removed from the breathing apparatus. .................................................... 59176

Direct fill hose 1.5 m *
(without manometer). .................................................... 59177

Direct fill hose 1.5 m *
(with manometer). .................................................... 59178

Direct fill hose 3 m *
(with manometer). .................................................... 59179

Some articles may not be available in specific countries. Detail on request. 

* = not illustrated
Upgrade set I *  
PSS-pneumatic with Bodyguard II  
for changing the apparatus PA 94 D over to PA 94 up and PA 80/90 and PA 80 respectively over to PA 80 up. 
Set consisting of:  
- PSS pressure reducer  
- medium pressure hose, long  
  (PSS 90/100)  
- Bodyguard II  
- fixing material for PA 94 D, PA 80, PA 80/90  
- new type plate  
  (PA 94 up and PA 80 up)  

Upgrade set II *  
PSS-pneumatic with manometer  
for changing the apparatus PA 94 D over to PA 94 up and PA 80/90 and PA 80 respectively over to PA 80 up. 
Set consisting of:  
- PSS pressure reducer  
- medium pressure hose, long  
  (PSS 90/100)  
- manometer and warning whistle  
- fixing material for PA 94 D, PA 80, PA 80/90  
- new type plate  
  (PA 94 up and PA 80 up)

Upgrade set III *  
PSS 100 carrying system complete  
for changing the apparatus PSS 90, PA 94 up, PA 80 up over to PSS 100. 
Set consisting of:  
- PSS 100 backplate  
- PSS 100 high temperature harness  
  Nomex/Kevlar  
- new type plate (PSS 100)

Upgrade set IV *  
PSS 90 carrying system complete  
for changing the apparatus PA 80 up over to PSS 90. 
Set consisting of:  
- PSS 90 backplate  
- PSS 90 high temperature harness  
  Nomex/Kevlar  
- new type plate (PSS 90)

Upgrade set V *  
PSS 90 high temperature harness  
for changing the apparatus PA 94 up over to PSS 90. 
Set consisting of:  
- PSS 90 high temperature harness  
  Nomex/Kevlar  
- new type plate (PSS 90)

Some articles may not be available in specific countries. Details on request.
HELMET/FACE MASK COMBINATION FOR HELMET SUPRA (F1 GALLETS)
FACE MASKS - DRÄGER

**Face mask**
Panorama Nova Supra RA PC
for normal pressure with standard thread Rd 40 x 1/7" (EN 148-1).

**Face mask**
Panorama Nova Supra PE PC *
Positive pressure version with standard connector M 45 x 3 (EN 148-3).

**Face mask**
Panorama Nova Supra ESA PC *
with Dräger’s quick-coupling connector, EN 136.

**Face mask**
Panorama Nova Supra P PC *
with Dräger’s quick-coupling connector, EN 136.

**Face mask f2 EPDM RA**
Normal pressure version with standard thread Rd 40 x 1/7" (EN 148-1).

**Face mask f2 EPDM P** *
with Dräger’s quick-coupling connector, EN 136.

**Face mask f2 EPDM PE** *
Positive pressure version with standard connector M 45 x 3 (EN 148-3).

**Face mask f2 Supra EPDM P** *
with Dräger’s quick-coupling connector, EN 136.

**Face mask f2 Supra EPDM ESA**
with standard plug connection for the German fire brigades, DIN 58600, tested in compliance with EN 136.

**Spectacle frame**
(without optical lenses), with case, for all Panorama-Nova face masks.

**Replacement lens** *
of polycarbonate “F”, for Panorama Nova face masks.

**Full face masks f2**
These face masks feature the highest requirements with respect to tightness, wearing comfort and design. The extraordinary large lens of polyamide with scratch resistant finish resists heat and chemicals. A sophisticated ventilation system eliminates lens fogging. 2 wide face seals on the mask give the wearer higher comfort and double protection against leakage. With 5 wide head band loops which prevent the hair from being caught. Mask body of skin compatible, rugged EPDM (ethylene propylene dimonomer). Easily adjustable 5-point head harness which distributes the pressure of the mask over a wider area. Practical neck strap. Universal size. Weight: 0.7 kg

**Carrying box Wikov V**
Impact resistant synthetic material. With adjustable strap. For Panorama Nova face masks. Weight: 0.6 kg

Some articles may not be available in specific countries. Details on request. * = not illustrated
HELMET/FACE MASK COMBINATION FOR
HELMET SUPRA (F1 GALLET) - RESPIRATORY
FILTER AND ACCESSORIES - DRÄGER

**Carrying box MABOX II**
as above but small size. For f2 mask
without filter.
Dim. (LxWxH): 264x164x240 mm
Weight: 0.6 kg ................................................... 58700

**Face mask**
f2 Supra EPDM RA
Normal pressure version with standard
thread Rd 40 x 1/7” (DIN 148-1).
................................. 58570

**Face mask**
f2 Supra EPDM ESA *
with standard plug connection for the
German fire brigades, DIN 58600,
tested in compliance with EN 136.
................................. 58505

**Carrying box MABOX I**
with adjustable strap. For the f2 mask
(also with filter). Not for Supra versions.
Dim. (LxWxH): 264x184x305 mm
Weight: 0.7 kg ................................................... 58694

**Spectacle frame f2**
(without optical lenses), with case,
for use in all f2 full face masks.
................................. 58567

**Replacement lens** *
Polyamide, for all f2 full face masks.
................................. 58614

**Filters**
(multi-range filters) with round
thread connection in compliance
with EN 148-1

**Filter class 2 - P2**
For gases and vapours, solid and liquid
particles, unhealthy agents, except
carbon monoxide.

**Filter performance:**
Medium efficiency for gases and
vapours as well as for particles.

**Type 900 A2 B2 - P2** *
Identification colours brown, grey,
white. For organic and inorganic
gases, vapours and particles.
Weight: 0.3 kg ................................................... 58800

**Filter class 2 - P3**
For gases, vapours, solid and liquid
particles , poisonous and very
poisonous agents, except carbon
monoxide.

**Filter performance:**
Medium efficiency for gases and
vapours. High efficiency for
particles.

**Type 620 A2 B2 - P3**
Identification colours brown, grey,
white. For organic and inorganic
gases, vapours and particles.
Weight: 0.3 kg ................................................... 63900

**Type 620 A2 B2 E2 K2 HG - P3** *
Identification colours brown, grey,
white, yellow, green, red-white.
For organic and inorganic vapours,
hydrochloric acid and sulfur dioxide,
ammonia, mercury vapour and
particles.
Weight: 0.4 kg ................................................... 88193

**Type 620 A1 B2 E2 K1 HG CO NO -**
P3 *
Identification colours brown, grey,
yellow, green, red, black, blue-white.
For organic and inorganic gases and
vapours, hydrochloric acid and sulfur
dioxide, ammonia, mercury vapour,
carbon monoxide, nitrous gases, incl.
nitrogen monoxide and particles.
Weight: 0.4 kg ................................................... 58558

**Filter**
(multi-range filter) with connector
M 45 x 3, EN 148-3
Type 620 A2 B2 E2 K2 HG - P3 *
as art. No. 88193 above, but with
connector M 45 x 3.
Weight: 0.4 kg ................................................... 88219

---

* = not illustrated

Some articles may not be available in
specific countries. Details on request.
Escape hood PARAT C
Dräger

Escape hood for self-rescue or for rescue by the fire brigade out of burning buildings. With integrated combination filter (CO-P2) for toxic fumes, duration at least 15 minutes. Universal hood with signal colour - fits even children. Packed in sealed cardboard box. 12 years shelf life (filter exchange after 6 years). Approval in compliance with EN 403.
Dim. (LxWxH): 190x135x80 mm
Weight: 0.6 kg

58688

PARAT C twin pack *
2 escape hoods in transparent wall box, incl. fixing material.
Dim. (LxWxH): 300x215x85 mm
Weight: 1.7 kg

58684

Wall holder *
for Parat C traveller pack.

58723

Replacement set *
for Parat C (without filter).

58696

PARAT C pack for the fire brigades *
consisting of:
2 Parat C single pack (art. No. 58687) and 1 carrying bag (art. No. 58698)

58689

PARAT C soft pack
1 escape hood in handy case.

58688

Disinfectant "INCIDUR" *
for face masks, 2 l.

58732

Attention!
When the filter of the Parat C is replaced, art. Nos. 58696 and 58697 are needed!

Antimist agent “Klar-Pilot” (50 ml) *
Environment-friendly cleaning agent, harmless to health, for all Dräger lenses. Without silicon or alcohol. “Klar-Pilot” is antistatic and prevents fogging of the lens and spectacles also in case of extreme temperature fluctuations.

58854

Antimist agent gel “Klar-Pilot” (50 ml) *
as art. No. 58854.

58855

Disposable face piece Piccola, EN 149:2001
The well-proven professional filtering face piece Piccola with the patented Synsafe® material protects the wearer in dust-laden air.

Benefits:
- extraordinary low breathing resistance
- high filter efficiency due to the multi-layer Synsafe® material with built-in pre-filter
- lightweight
- comfortable to the wearer due to soft inner layer and woven rubber bands
- optimum fit also with protective goggles
- does not slip because of soft fixing on the nose
- exhaling valve (V-versions) for long operations and improved comfort
- foldable and easy to carry
- individually packed to ensure clean and ready use every time
- convenient dispenser box (20 pcs. per box)

Attentions:
Some articles may not be available in specific countries. Details on request.

* = not illustrated
Piccola FFP1-V
as art. No. 58440, but with exhale valve for more comfortable wear.
Dispenser box with 20 pieces.

Piccola FFP2 *
for fine dust, solid and liquid particles (also carcinogenic agents, bacteria, fungi and their spores).
Colour: light blue
Possible applications: wood work with oak, welding, spraying of emulsions with low steam pressure and dispersion paint.
Dispenser box with 20 pieces.

Piccola FFP3-V *
for fine dust, solid and liquid particles (also carcinogenic agents, bacteria and fungi and their spores, enzymes and radioactive particles). Exhale valve for comfortable wear.
Colour: white
Possible applications: spraying of pesticides on aqueous basis, asbestos works, welding of aluminium, hard-soldering.
Dispenser box with 20 pieces.

Dräger Testor
Compact manual testing device for breathing apparatus, chemical protection suits and face masks. The Testor features a neat grouping of operating elements with joy-stick control and large manometers. A blow-up and removable test head for leakage test, a stop watch for setting the testing times and an additional connection Rd 40 for testing lung demand valves are supplied with the Testor.
Option: interface connection for transmitting the test data with the Dräger Adaptor
Dim. (LxWxH): 515x335x300 mm
Weight: 5 kg

Installation *
of the sensors and the plug from Adaptor to the Testor (this takes place in a Dräger workshop).

Dräger Adaptor
Practical addition to a Testor or Euro-test for connection to a PC. The device offers various possibilities to store and evaluate the results of manual tests of face masks, lung demand valves and pressure reducers. The automatic comparison with the characteristic data of the various devices stored in the PC facilitates the evaluation enormously. Minimum requirements of your PC: Pentium 266, 64 MB RAM, Windows 95, Windows 98 or Windows NT, a free 9-pole port (otherwise an adaptor on the 25-pole serial port is needed), mouse, approx. 100 MB free storage place.
Dim. (LxWxH): 210x300x335 mm
Weight: 1.5 kg

Portable testing device
Testing device for full face masks in rugged aluminium case. With blow-up test head, clamp and a digital stop watch.
As options chemical protection suits as well as valves can also be tested.
Dim. (LxWxH): 460x340x170 mm
Weight: 6.5 kg

Mobile face mask testing device
Testing device for full face masks in rugged aluminium case. With blow-up test head, clamp and a digital stop watch.
As options chemical protection suits as well as valves can also be tested.
Dim. (LxWxH): 460x340x170 mm
Weight: 6.5 kg

Porta-Control
Compact manual testing device for chemical protection suits. Suit and suit valves can be tested for leakage with this unit. With low pressure manometer and the necessary adaptors (for TeamMaster, WorkMaster), test lines, hose clamps, stop watch and test volumes for carrying out tests in accordance with vfdb-0801 requirements.
Dim. (LxWxH): 430x300x120 mm
Weight: 3 kg

Some articles may not be available in specific countries. Details on request.

* = not illustrated
TESTING DEVICES
AND RESPIRATION CONTROL DEVICES
DRÄGER

Accessories for testing devices

Screw clamp *
for fixing a test head or the Dräger Testor on the working table.

................................................... 59161

Test piece P *
for testing positive pressure lung demand valves with Dräger's quick-coupling connector.

................................................... 59166

Test piece PE *
Adaptor for testing positive pressure lung demand valves with standard connector M 45x3.

................................................... 59165

Rubber stopper 9/20 DIN 12871 *
Cone-shaped, for sealing the medium pressure line in leakage tests without medium pressure.

................................................... 59157

Adaptor RA with plug *
Necessary for sealing the RA connection of full face masks during leakage test. The exhaust valve must be replaced by a valve stopper during positive pressure test or during error detection.

................................................... 59162

Adaptor P/PE with plug *
Necessary for sealing the connection to the lung demand valve of Dräger positive pressure face masks during test procedure. The exhaust valve is replaced by a valve stopper during positive pressure test or during error detection.

................................................... 59163

Compressed air pistol *
for filling chemical protection suits.

................................................... 59170

Hose clamp *
for clamping off the compressed air pistol after having filled the chemical protection suit.

................................................... 59171

Test cap (35 mm) *
for placing on the relief valves of the chemical protection suits and for connection with the test and fill hose respectively after the valve plates have been removed. (2 pieces are needed)

................................................... 59172

Test cap (30 mm) *
(for chemical protection suits of old design).
For placing on the relief valves of the suits and for connection with the test and fill hose respectively after the valve plates have been removed. (2 pieces are needed) Further relief valves of the suit must be sealed with the sealing disc art. No. 59167.

................................................... 59175

Sealing disc *
(set of 2),
for sealing relief valves of chemical protection suits during leakage test.

................................................... 59167

Telemetry system

DrägerMan PSS® Merlin™
Telemetric control and communication system that automatically sends signals/data from BA wearers (Bodyguard II) to the control board of DrägerMan PSS Merlin outside the place of incident.
The system allows the entry control officer to monitor the exact status of up to 12 individual team members simultaneously. 2 positions on the control board are reserved for the rescue team. The radio transmission is activated automatically when the breathing apparatus is put into operation, i.e. when Bodyguard II is put under pressure. The communication between the radio transmitter on the BA and the control board is started when the identification key is inserted into the board.

58480

58481

58482

58483

Accessories for the control board

NiMH storage battery *
for the control board of DrägerMan PSS® Merlin™.

................................................... 58481

Universal charger Merlin *
for power supply to all relevant chargers for the monitoring action with DrägerMan PSS® Merlin™.

................................................... 58482

Power cord 220 Volt *
for universal charger Merlin.

................................................... 58483

Some articles may not be available in specific countries. Details on request.

* = not illustrated
Battery charging adaptor kit *
consisting of 1 adaptor for charging the storage batteries of the control board when removed and 1 adaptor for charging the storage batteries when in place. ................................. 58494

Vehicle charging kit for Merlin *
Necessary accessory for charging the storage batteries of the control board via vehicle supply (12/24 V). .................................................. 58485

Control board tripod for Merlin *
.............................................................................................................. 58496

Tripod support for Merlin *
.............................................................................................................. 58487

Protective cover for Merlin *
Waterproof, for protection of the control board. .................................................. 58488

Digital data radio transmitter

Bodyguard telemetry set Merlin
Basic unit for communication between Bodyguard and the control board DrägerMan PSS® Merlin™. For retrofitting of breathing apparatus with Bodyguard.
Scope of supply:
- 1 data radio transmitter
- 1 storage battery
- 1 unlocking key
- IR interface and cable for Bodyguard adaption
- 2 yellow quad rings for identifying the Bodyguard for telemetry use
- 1 yellow identification key
- 1 aramide cover for interface cable
.............................................................................................................. 58489

Accessories for data radio transmitter

NiMH storage battery T 4
for radio transmitter Merlin. ................................................................. 58490

Unlocking key *
for battery change. ............................................................................... 58491

4-compartment charger
for NiMH storage batteries. ................................................................. 58492

Vehicle charger for NiMH storage batteries T 4 *
for charging the batteries via vehicle power supply (12/24 V). .............. 58493

Leather bag *
for radio transmitter. ........................................................................... 58494

Further accessories for DrägerMan PSS® Merlin™ on request.

Respiration control system REGIS

Control board REGIS 100
Provides you with a continuous update of the remaining operating time of your team. The robust board is fitted with 3 mechanical easy-to-read short-time watches. An internal electronic signaler gives alarm with a loud continuous signal when the team should be back from their mission. A radio controlled digital clock tells the real time. The writing pad of aluminium has enough space for all important data. 9 individual name tags can be fixed to the REGIS 100 with the attached felt-tip.

A clip rail holds a size DIN A 4 transparent foil, that can be written on. These foils can be filed later. (Without name tags.)

Dim. (LxWxH): 410x330x62 mm
Weight: 1.4 kg ........................................................................................................ 58612

Control board REGIS 200 *
as REGIS 100, but with:
- 3 LEDs for optical alarm
- button for alarm confirmation
- internal electronic signaler, that gives alarm, when the team should be back from their mission. The signal is alternating and can be confirmed. In addition as a reminder to check with the team on remaining air every 15 minutes. Prepared for mounting of a transmitter module (optional) with which all alarms can be sent to an external signaler (optional).
- 9 V block battery

Dim. (LxWxH): 410x330x62 mm
Weight: 1.5 kg ........................................................................................................ 58460

Some articles may not be available in specific countries. Details on request.
Control board REGIS 500
The fully electronic digital monitoring board for up to 3 teams, each with up to 3 wearers of breathing apparatus. The board continuously shows the remaining working time of the teams. The real time is read on a digital clock integrated in the carrying grip. The robust, but lightweight board can be fixed on the fire service vehicle by means of a mounting frame (incl.). The remaining time is shown in the display at intervals of 1 minute. The status of the individual teams is shown on a coloured LED indicator.

It is also possible to adjust the remaining operation time upwards or downwards by pressing a plus and minus button respectively. On a foil, clipped to the board, additional information can be written down, e.g. start of operation, cylinder pressure, type of operation. By use of 2 different coded plugs (for normal or short time BAs for 25 minutes or for long time or circulating BAs for 120 minutes) the various operations with breathing apparatus can be monitored. In case the entry officer has to leave the board for a short time, an external signaler (optional) can be connected. This signaler can transmit alarms from a distance of 40 m.

Transmitting module für REGIS 200/500
for mounting on the monitoring boards REGIS 200/500. Simple plug-in type. When the transmitting module is plugged in all alarm signals are transmitted to the external signaler (option). (Range of transmission from board to external signaler 40 m.)

External signaler for REGIS 200/500
with integrated receiver. For visual alarm via flashes and acoustic alarm with a loud alternating signal tone. A transmitting module is necessary for using the signaler.

Scope of supply REGIS 500:
- monitoring board with digital clock (in the carrying grip)
- frame for mounting on a vehicle
- 2 transparent foils for written notes to be clipped to the board
- felt-tip for writing on the foil
- 9 V block battery
- Degree of protection IP 54.
Dim. (HxWxD): 240x230x58 mm (incl. carrying grip)
Weight: 1 kg

Some articles may not be available in specific countries. Details on request.

* = not illustrated
**THERMAL IMAGING CAMERAS**

**MONITORING DEVICE FOR BA-WEARERS**

**DRÄGER**

---

**Immobility alarm**

**Diktron DSX MK II**

Automatic alarm for BA operations with multiple warning functions:
- automatic alarm in case of immobility (pre- and main alarm)
- manual activation in emergencies and in case of withdrawal
- regular reminder that the remaining air must be checked
- automatic alarm when battery capacity is low
- position flash

Diktron DSX MK II is ex-proof and can easily be fixed on the shoulder or hip belt of the BA. ............................58608

---

**Thermal imaging cameras**

**Talisman C PLUS**

For finding and observing the sources of fire and for finding persons. With this camera you can see through smoke, fog and darkness. Tough and compact though light-weight. Fully automatic, easy to handle. Extreme sharp and clear thermal images. The camera can be worn directly in front of the full face mask and the face respectively.

Temperature sensitivity 0.05 °C.
Detector type: BST FPA detector chip
Dim. (LxWxH): 290x156x115 mm
Weight: 2.2 kg (incl. storage battery)

**Basic unit Talisman C PLUS**

consisting of:
camera, 2 NiMH storage batteries, charger, battery box, 1 m video cable, X2 zoom, neck strap, rugged carrying case, operating instructions ............................58470

---

**Talisman C PLUS * as art. No. 58470, but with remote thermometer incl. digital display.** ............................58471

**Talisman C PLUS * as art. No. 58470, but with additional video camera for improved orientation.** ............................58472

**Talisman C PLUS * as art. No. 58470, but with remote thermometer and video camera.** ............................58473

**Accessories:**

Additional hand grip * (pistol grip), can be stored in the carrying case. ............................58887

---

**Further accessories on request!**

**Small-size thermal imaging camera**

**Talisman Spirit**

For finding and observing sources of fire and for finding persons. With this camera you can see through smoke, fog and darkness. Sharp and clear images by means of FireForce Bolometer detector and a large bright LCD display (90 mm, 3.5”). The automatic control ensures continuous good picture quality, also under difficult operating conditions. Continuous operation of up to 7 hours due to heavy-duty storage batteries Super-Cell Plus and low energy consumption.

Small size and low weight.
Temperature sensitivity 0.05 °C.
Detector type: FPA detector chip
Dim. (LxWxH): 170x120x135 mm
Weight: 1.3 kg

**Basic unit Talisman Spirit**

consisting of:
camera with PAL video signal, 2 Super-Cell storage batteries, 1 charger, neck strap, CD, operating instructions. With carrying case. ............................58915

---

**Options:**

Can be ordered together with the basic unit Talisman Spirit only.

**Spirit temperature measurement * for measuring object temperatures from 0 - 1000 °C through the lens. With digital display.** ............................58916

**Spirit SuperCell Plus storage battery upgrade set * consisting of:**

2 heavy-duty NiMH batteries.
Replaces the SuperCell batteries of the basic unit. ............................58917

**Accessories:**

Hand grip (pistol grip) *
Can be stored in the carrying case. ............................58918

**Action grip**
Can be stored in the carrying case. ............................58919

Transmitter systems for transmitting of thermal images from the camera to a receiver station on request.

---

Some articles may not be available in specific countries. Details on request.
Helmet Dräger HPS 6100
in compliance with EN 443.
Weight: 1.25 kg

with clear polycarbonate faceshield
...................................................51230

Helmet Dräger HPS 4100
in compliance with EN 443.
Helmet shell made of high temperature resistant duroplastic. High safety due to 4-point straps of aramide fabric. The modern inner liner is easy to replace and to wash. Without rubber trimming, without faceshield and without neck curtain.
With reflective trim.
Weight: 0.8 kg

Some articles may not be available in specific countries. Details on request.

with metal mesh faceshield
(front plate black).
...................................................51232

Accessories for helmet HPS 6100
Neck curtain *
Aluminized Nomex fabric.
...................................................51233

Neck curtain
Impregnated wool (Dutch cloth).
To be closed up under the chin.
...................................................51234

Helmet Dräger HPS 4100 *
as above, but with rubber trimming, loop for fixing protection goggles and with reflective trim. Without faceshield and without neck curtain.

Size H2, for head sizes 53 - 61.
...................................................51242

Size H3, for head sizes 59 - 64.
...................................................51243

Accessories for helmet HPS 4100
Faceshield for size H2
Clear.
...................................................51244

Faceshield for size H3 *
Clear.
...................................................51249

Neck curtain for size H2
Reinforced Nomex. Covers the nape and the sides of the neck.
...................................................51245

Neck curtain for size H3 *
as art. No. 51245.
...................................................51250

Protection goggles *
for fixing on Dräger HPS 4100, in compliance with EN 166.
...................................................51247

Reflective trim for HPS 4100 *
size H2
of 3M special material, silver.
...................................................51248

Reflective trim for HPS 4100 *
size H3
as art. No. 51248.
...................................................51251

* = not illustrated
At Draeger, we understand that preparedness is not just about the equipment you use; it's about the way you work; that's why fire teams across the world put their trust in our range of integrated solutions, because we know: your safety is our success.
COMPRESSED AIR BREATHING APPARATUS
AND ACCESSORIES
AUER

MSA-AUER compressed air breathing apparatus

AirMaXX
Basic unit in compliance with EN 137. The new top-class 200 and 300 bar breathing apparatus with various options. The length of the backplate can be adjusted to 3 different positions, ergonomic harness, swivelling hip pad for good weight distribution. Easily adjustable belts, flexible luminous manometer. Alternatively with integrated control unit ICU. Cylinder support for 1 or 2 compressed air cylinders. Easily adjustable cylinder belt with spanner and locking device.

AirMaXX *
- Basic unit -
Weight: 4.3 kg

AirMaXX-S *
- Basic unit with ICU -
Weight: 5 kg

AirMaXX-S *
- Basic unit with ICU-S -
(key version).
Weight: 5 kg

Further versions on request!

MSA-AUER lung demand valves
AutoMaXX
For breathing apparatus AirMaXX, fit the basic units BD 88, BD 96 as well. Small light servo-controlled lung demand valve of synthetic material. The glass fibre reinforced housing is resistant to rapture and temperature. With smooth and pivoting flexible medium pressure line with coupling nipple.

Lung demand valve AutoMaXX-N *
with normal pressure standard thread Rd 40, complying with EN 148-1.
Weight: 0.5 kg

Lung demand valve AutoMaXX-AE
with positive pressure standard connector M 45 x 3, complying with EN 148-3.
Weight: 0.4 kg

Compressed air breathing apparatus BD 96
Standard version complying with EN 137, designed for additional options. Ergonomic backplate with optimized harness of inflammable modacryl aramide. Padded hip belt of aramide with plug fastener. Pivoting manometer that can be read in any position. Cylinder straps and large spanner with locking device. Alternatively with the integrated control unit ICU.

BD 96 *
- Basic unit -
Weight: 3.4 kg

BD 96 *
- Basic unit with ICU -
Weight: 4.5 kg

BD 96 *
- Basic unit with ICU-S -
(key version).
Weight: 4.5 kg

BD 96-S *
Basic unit complying with EN 137
In 200 or 300 bar technique. With built-in warning signal (S) (independent of the manometer) near the wearer’s ear. Loud warning signal in constant sound level through medium pressure dosing. Injectorless and thus safe against freezing-up.

BD 96-S *
- Basic unit -
Weight: 3.5 kg

Some articles may not be available in specific countries. Details on request.

* = not illustrated
ACCESSORIES FOR BREATHING APPARATUS

FACE MASKS

AUER

**BD 96-S**
- Basic unit with ICU -
Weight: 4.7 kg
...................................................59199

**BD 96-S**
- Basic unit with ICU-S - (key version).
Weight: 4.7 kg
...................................................59200

Further versions on request.

**AUER lung demand valves LA 96**
These extraordinary small and light lung demand valves give the wearer unobstructed view. With servo-controlled airflow and pivoting flexible medium pressure line.

**Lung demand valve LA 96-N**
with normal pressure standard connection Rd 40, EN 148-1.
Weight: 0.5 kg
...................................................58667

**Lung demand valve LA 96-AE**
with positive pressure standard connector M 45 x 3, EN 148-3.
Weight: 0.5 kg
...................................................58668

**Lung demand valve LA 96-AS**
with Auer-plug connector for positive pressure.
Weight: 0.5 kg
...................................................58671

**Lung demand valve LA 96-ESA**
with positive pressure standard plug connection for German fire brigades.
Weight: 0.5 kg
...................................................59210

**MSA-AUER ICU**
Integrated control unit for MSA-AUER breathing apparatus (for retrofitting).
Controls:
- pressure
- remaining service time
- temperature
- user’s motion
Weight: 0.6 kg
...................................................59245

**MSA-AUER ICU-S**
(key version).
Weight: 0.6 kg
...................................................59246

**MSA-AUER compressed air cylinders for breathing apparatus**

**Steel cylinder 6 l/300 bar**
Ø: 140 mm
Length with valve: 605 mm
Weight: 11.5 kg (filled)
...................................................58725

**Steel cylinder 6 l/300 bar**
(super-light cylinder)
Ø: 140 mm
Length with valve: 605 mm
Weight: 9.4 kg (filled)
...................................................58676

**Steel cylinder 4 l/200 bar**
Ø: 115 mm
Length with valve: 585 mm
Weight: 5.4 kg (filled)
...................................................58670

**Composite cylinder 6 l/300 bar**
Ø: 156 mm
Length with valve: 580 mm
Weight: 6.1 kg (filled)
...................................................59201

**Composite cylinder 6.8 l/300 bar**
Ø: 156 mm
Length with valve: 610 mm
Weight: 6.8 kg (filled)
...................................................59202

**All-composite cylinder 6.8 l/300 bar**
Ø: 157 mm
Length with valve: 636 mm
Weight: 6.2 kg (filled)
...................................................59204

**Cylinder protective cover**
for composite cylinders, of inflammable material, black.
...................................................59203

**MSA-AUER face masks**

**Full face mask 3S**
of black special rubber, for two-way breathing, with round thread connection for breathing filter and breathing apparatus.
EN 136 approval.
Weight: 0.6 kg
...................................................59205

**Full face mask 3S-PF**
Positive pressure version with standard connector M 45 x 3 (DIN EN 148-3).
...................................................59206

Some articles may not be available in specific countries. Details on request.

* = not illustrated
FACE MASKS
AND ACCESSORIES
AUER

Full face mask 3S-PS *
Positive pressure version with plug connection.

Full face mask 3S
Normal pressure version with standard thread Rd 40 x 1/7" (EN 148-1).

Full face mask 3S-PF ESA *
with standard plug connection for the German fire brigades.

Carrying case of synthetic material
for MSA-AUER full face mask 3S (also with filter).
Weight: 0.6 kg

Spectacle frame 3S *
(without optical lenses), with case, for use in all 3S full face masks.

Full face mask Ultra Elite
Innovative full face mask of black special rubber, for two-way breathing (valve breathing). With round thread connection for breathing filter and breathing apparatus. Silicate-coated, almost 100% distortion-free visor. Non-fogging by means of air-flow. With 5-point head harness.

Full face mask Ultra Elite *
Normal pressure version with standard thread Rd 40 x 1/7" (EN 148-1).

Full face mask Ultra Elite PF *
Positive pressure version with standard connector M 45 x 3 (EN 148-3).

Full face mask Ultra Elite PS *
with MSA-AUER plug connection.

Full face mask Ultra Elite PS-MaXX *
with MSA-AUER plug connection for lung demand valve AutoMaXX-AS.

Full face mask Ultra Elite PF-ESA *
with standard plug connection for the German fire brigades, for positive pressure lung demand valve LA 96-ESA.

Spectacle frame Elite
(without optical lenses), of synthetic material, with case, for use in all Ultra-Elite masks.

Carrying case of synthetic material
for all MSA-AUER full face masks.
Weight: 0.7 kg

Further AUER equipment on request!

Some articles may not be available in specific countries. Details on request.
* = not illustrated
DRIERS FOR FACE MASKS

**Driers for face masks, FD-series**

The strong air-turbine makes these driers particularly efficient.

**Characteristics:**
- Very quick and intensive drying, particularly for materials with a high moisture content. Well-considered evacuation of the steam prevents condensation in the interior.
- Accelerated sterilizing processes due to very short heating phases.
- The homogeneous temperature distribution and air flow result in exact temperatures. Temperature control is by means of microprocessor. Quick and exact control of the set temperature. Digital temperature adjustment with exact digital indication via LED display. Temperature limiter class 2 in compliance with DIN 12880-22.
- Timer 0 - 99.59 h.
- The housings are of powder-coated galvanized steel. Easy care and dirt repelling varnish, light grey RAL 7035. The interior is basically of stainless steel 1.4301. Safety class 2. All units are approved in compliance with EN 60204-1. They are radio-screened and VDE/GS approved.
- The drying temperature for face masks is approx. 50 °C.
- Please note: 2 chrome-plated racks are included in the basic unit. Further racks can be ordered, if required.

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Inside volume</th>
<th>Outside dim. and door handle in mm (WxHxD)</th>
<th>Weight</th>
<th>Power supply volt</th>
<th>Racks per unit **</th>
<th>Masks per rack **</th>
<th>Max. Nos. of masks per unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>58550</td>
<td>115</td>
<td>834 x 702 x 645</td>
<td>62</td>
<td>230</td>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>FD 115</td>
<td>+ 70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58551</td>
<td>240</td>
<td>1034 x 822 x 745</td>
<td>98</td>
<td>230</td>
<td>2 - 3</td>
<td>4 - 6</td>
<td>8 - 12 or</td>
</tr>
<tr>
<td>FD 240</td>
<td>+ 70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12 - 18</td>
</tr>
<tr>
<td>58552 *</td>
<td>400</td>
<td>1234 x 1030 x 765</td>
<td>145</td>
<td>400</td>
<td>3 - 5</td>
<td>6 - 8</td>
<td>18 - 24 or</td>
</tr>
<tr>
<td>FED 400</td>
<td>+ 70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30 - 40</td>
</tr>
</tbody>
</table>

**Please note:**
Some articles may not be available in specific countries. Details on request.
CLEANING AND DISINFECTING DEVICES FOR MASKS
TRANSPORT FRAMES FOR COMPRRESSED AIR CYLINDERS IN COMPLIANCE WITH GGVS

Ultrasound cleaning appliance
SONOREX SUPER RK 1028 CH
For 6 face masks (e.g. DRÄGER Panorama Nova, AUER 3S) or 3 face masks (e.g. DRÄGER Futura, AUER Ultra-Elite).

Technical data:
welded vibrating trough of titanium stabilized stainless steel V4A, 1.4571, of 2 mm.
HF peak performance:
2 x 600 W/per., 35 kHz
Timer: 1 - 15 min and continuous running
Heating: 1300 W, 30 - 80 °C, controlled by thermostat
Draining: ball valve G 1/2”, left side, VDE-GS approval, safety test in compliance with EN 610101, radio-screened, CE-marked
Inside dimensions (LxWxD): 500x300x300 mm
Volume: 41 l
Outside dimensions (LxWxD): 560x360x500 mm
Weight: 26 kg

Basket insert K 28 CA
Stainless steel, for 6 face masks or for components, removable partition.

Basket insert K 28 CV
Stainless steel, for 3 face masks or for components, removable partition.

Lid D 28 C
Stainless steel, noise suppressing.

STAMMOPUR 24
Cleaning and disinfecting concentrate, approved by DGHM. Effective against bacteria (incl. Tb-B), helicobacter pylori, fungi and virus (HBV/HIV). When used in ultrasound bath: 1% - 15 min; when used without ultrasound: 1% - 60 min. Container of 25 l.

TICKOPUR R 33
for cleaning of heavily soiled face masks. Dosage 3% (subsequent disinfection in Stammopur 24). Container of 25 l.

Transport frame for compressed air cylinders
for safe storing of the cylinders during transport. The design allows easy placing and removal of the cylinders. Frame of galvanized steel. For max. 6 compressed air cylinders 4 l/200 bar.
Dim. (LxWxH): 395x265x620 mm
Weight: 9.5 kg (without cylinders)

Basket insert K 50 CA *
Stainless steel, for 9 face masks or for components, removable partition.

Basket insert K 50 CV *
Stainless steel, for 6 face masks or for components, removable partition.

Lid D 50 C *
Stainless steel, noise suppressing.

STAMMOPUR 24 *
Cleaning and disinfecting concentrate, approved by DGHM. Effective against bacteria (incl. Tb-B), helicobacter pylori, fungi and virus (HBV/HIV). When used in ultrasound bath: 1% - 15 min; when used without ultrasound: 1% - 60 min. Container of 25 l.

TICKOPUR R 33 *
for cleaning of heavily soiled face masks. Dosage 3% (subsequent disinfection in Stammopur 24). Container of 25 l.

Some articles may not be available in specific countries. Details on request. 

* = not illustrated