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## Dräger PAS® MAC Series Airline Equipment

Providing continuous breathing quality air to safety professionals in the harshest of environments, these Mobile Breathing Air Compressors meet the needs of single or multiple users over long durations. Available in electric- or diesel-driven versions, each of the four models is fully compatible with Dräger compressed air and airline breathing equipment.



## Benefits

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### Rugged and reliable in severe conditions

Used throughout industry by power stations, water authorities, fire brigades and the armed forces, the Dräger range of mobile breathing air compressors is equally at home in the nuclear and petrochemical industries, as well as gas distribution, oil refineries for tank cleaning and in other hazardous material handling applications. Ideal for use in the most severe environmental conditions, these rugged units set the standard in transportable, extended duration life support systems. Due to the construction, each compressor can be craned and the diesel versions are street-legal.

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### Safe operation by the use of a reserve system

Each of the PAS MAC2000, 4000 and 8000 units incorporate a "fail-safe" system as standard. Sounding an alarm in the event of failure, they automatically switch to an onboard cylinder reserve system. In line with current health and safety requirements for diesel engines in hazardous areas, such as EN 1834-1:2000 and the need to prevent ignition of combustible materials, both diesel driven compressors are fitted with a Chalwyn shut-off valve and spark arrestor as standard.

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### Continuous breathing quality air acc. to EN 12021

In order to check the quality of breathing air from a compressor the product families Dräger Aerotest and Dräger Air Tester ranges provide an efficient method for the detection of toxic gases in dispersed compressed air. The standard version of the PAS MAC4000 and 8000 is already equipped with a membrane dryer dehumidifying the breathing air. For additional safety regarding purity of breathing air both versions can alternatively be equipped with a pressure swing dryer for the suppression of CO and CO<sub>2</sub> and for drying the air.

---

### Electric (ATEX option) and diesel driven versions

Simple to maneuver to wherever a constant supply of breathing quality air is required, the range comprises two electrically driven units (optionally as ATEX version for use in explosive atmospheres) with outputs from 185 to 425 l/min and two diesel driven compressors with outputs from 710 to 1,710 l/min. Designed to minimize the effects on the environment, each model retains any oil-contaminated residue, and the two diesel units meet the requirements of EC 2000/14/EC for noise levels.

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### Flexible in use

Easily configured to suit specific user requirements, each unit can be quickly connected to any Dräger breathing apparatus and airline equipment including chemical protection suits fitted with ventilation systems.

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### Four models to suit every application

The mobile breathing air compressors are available in the versions PAS MAC1000, 2000, 4000 and 8000. A more detailed description of the different models can be found under "Options".

## System components

D-13088-2010



### Dräger CPS 5800

The Dräger CPS 5800 is a limited-use chemical protective suit for industrial applications and operations on board that involve a gaseous, liquid or solid hazardous substance.

ST-720-2008



### Dräger SPC 3800

Chemical protective suits are used whenever and wherever a person's skin has to be protected from the harmful effects of hazardous liquids. If there is a risk that the entire body may come into contact with solid or liquid chemicals, complete coveralls are the only way to ensure full protection.

D-38860-2011



### Dräger PAS® Lite

For use in industrial applications where a simple, robust and easy to use breathing apparatus is required, the Dräger PAS® Lite Self-Contained Breathing Apparatus (SCBA) combines reliability with comfort and performance.

ST-1179-2008



### Dräger Aerotest® Simultan HP

Dräger Aerotest® Simultan HP is used to determine the quality of respiratory air in high-pressure applications. In combination with the new Dräger Oil Impactor the system offers a unique quality level for the monitoring of compressed air.

## System components



D-13629-2010

### Dräger Panorama Nova®

The respiratory mask Panorama Nova® meets the highest standards of protection, sealing and quality. For decades proven worldwide, the full face mask represents absolute reliability in the protection of the respiratory tract and eyes.



D-13666-2010

### Dräger FPS® 7000

The Dräger FPS® 7000 full-face mask series sets new standards in terms of safety and wearing comfort. Thanks to its enhanced ergonomics and the availability of multiple sizes, it offers a large, optimized field of vision and a very comfortable, secure fit.



ST-3559-2003

### Dräger PAS® Micro

Combining versatility, ease of use and the latest in breathing apparatus design, Dräger's PAS® Micro is among the most technologically advanced short duration and emergency escape units available.

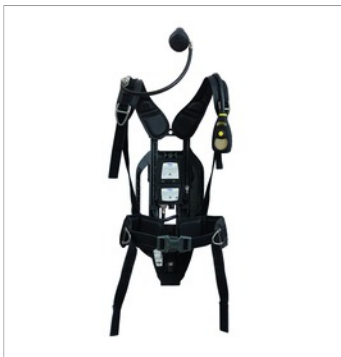


ST-3557-2003

### Dräger PAS® Colt

Combining versatility, ease of use and the latest in breathing apparatus design, Dräger's PAS® Colt is among the most technologically advanced short duration and emergency escape units available.

## Accessories



ST-6147-2007

### Dräger PSS® 7000

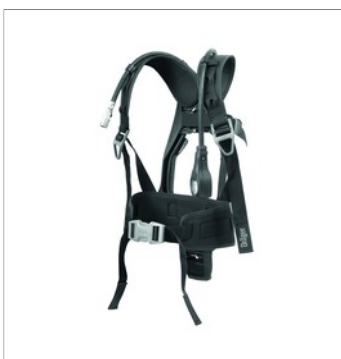
Developed by professionals for professionals, the Dräger PSS® 7000 breathing apparatus is a major milestone in our continuing development of breathing devices for the professional fire fighter.



D-4286-2010

### Dräger PSS® 5000

The Dräger PSS® 5000 SCBA is a high performance breathing apparatus for the professional firefighter. Combining advanced ergonomics with a wide range of configurable options the Dräger PSS® 5000 provides the user with the comfort and versatility to meet the demands of first responders whenever breathing protection is required.



D-7465-2010

### Dräger PSS® 3000

The Dräger PSS® 3000 is a high performing breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, it is designed for applications where simplicity and ease of use are key essentials. Lightweight yet robust, and easy to don, this advanced breathing apparatus provides the ultimate in breathing protection.

## Technical Data

|                                  | <b>Dräger PAS® MAC1000</b>                              | <b>Dräger PAS® MAC2000</b>                             | <b>Dräger PAS® MAC4000</b>  | <b>Dräger PAS® MAC8000</b>  |
|----------------------------------|---|--|---|---|
| Number of outlets                | 1   | 1 to 2   | 1 to 4 + 1 large capacity   | 1 to 8 + 1 large capacity   |
| Breathing air quality standard   | EN 12021 (latest)                                       | EN 12021 (latest)                                      | EN 12021 (latest)   | EN 12021 (latest)   |
| Motor/engine                     | Electric, 230V<br>Single phase<br>Power supply required | Electric, 400V<br>Three phase<br>Power supply required | Diesel  | Diesel  |
| Flow rate (maximum)              | 185 l/min at 9 bar                                      | 425 l/min at 9 bar                                     | 710 l/min at 9 bar  | 1,710 l/min at 9 bar  |
| Effects on environment           | Oil contaminated condensate retained in bottle          | Oil contaminated condensate retained in bottle         | EC 2000/14/EC for noise levels.<br>Oil contaminated condensate retained in bottle | EC 2000/14/EC for noise levels.<br>Oil contaminated condensate retained in bottle |
| Environmental protection         | IP 55   | IP 55  | Designed for outdoor use  | Designed for outdoor use  |
| Operating temperature range (°C) | 0 to 45   | 0 to 45  | 0 to 45<br>If pressure swing dryer option fitted -6 to +45                        | 0 to 45<br>If pressure swing dryer option fitted -6 to +45                        |
| Size (L x W x H) (mm)            | 980 x 586 x 770   | 1,380 x 665 x 870                                      | 2,980 x 1,500 x 1,400   | 3,000 x 1,390 x 1,240   |
| Weight (kg)                      | 115   | 210  | 650   | 1,180   |

## Ordering Information

### Dräger PAS® Mobile Breathing Air Compressors

|  |         |
|--|---------|
| Dräger PAS MAC1000 (electric)                          | 3358223 |
| Dräger PAS MAC2000 (electric)                          | 3358224 |
| Dräger PAS MAC4000 incl. membrane dryer (diesel)       | 3358226 |
| Dräger PAS MAC4000 incl. pressure swing dryer (diesel) | 3358227 |
| Dräger PAS MAC8000 incl. membrane dryer (diesel)       | 3358229 |
| Dräger PAS MAC8000 incl. pressure swing dryer (diesel) | 3358230 |

### Product options

|   |                                   |
|---|-----------------------------------|
| Dräger PAS MAC1000 (ATEX version)                   | for details please contact Dräger |
| Dräger PAS MAC2000 (ATEX version)                   | for details please contact Dräger |
| Low-pressure audible and visual alarm (PAS MAC1000) | for details please contact Dräger |

### Accessories

|                                    |         |
|------------------------------------|---------|
| 4 man distribution panel           | 3358796 |
| 3/4" distribution hose 15 m long   | 3358797 |
| 1/2" distribution hose 30 m long   | 3358794 |
| 4 man distribution panel (alarmed) | 3358799 |
| Air supply hose 3 m                | 3352463 |
| Air supply hose 5 m                | AL01260 |
| Air supply hose 10 m               | AL01261 |
| Air supply hose 20 m               | AL01262 |
| Air supply hose 25 m               | 3357049 |
| Air supply hose 30 m               | 3352467 |
| Air supply hose 45 m               | AL01263 |
| Air supply hose 50 m               | 3352468 |
| Air supply hose without couplings  | AL01253 |

## Ordering Information

### Dräger SCBA

|                  |                                   |
|------------------|-----------------------------------|
| Dräger PSS 7000  | for details please contact Dräger |
| Dräger PSS 5000  | for details please contact Dräger |
| Dräger PSS 3000  | for details please contact Dräger |
| Dräger PAS Lite  | for details please contact Dräger |
| Dräger PAS Micro | for details please contact Dräger |
| Dräger PAS Colt  | for details please contact Dräger |

### Dräger Full Face Masks

|                      |                                   |
|----------------------|-----------------------------------|
| Dräger FPS 7000      | for details please contact Dräger |
| Dräger Panorama Nova | for details please contact Dräger |

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