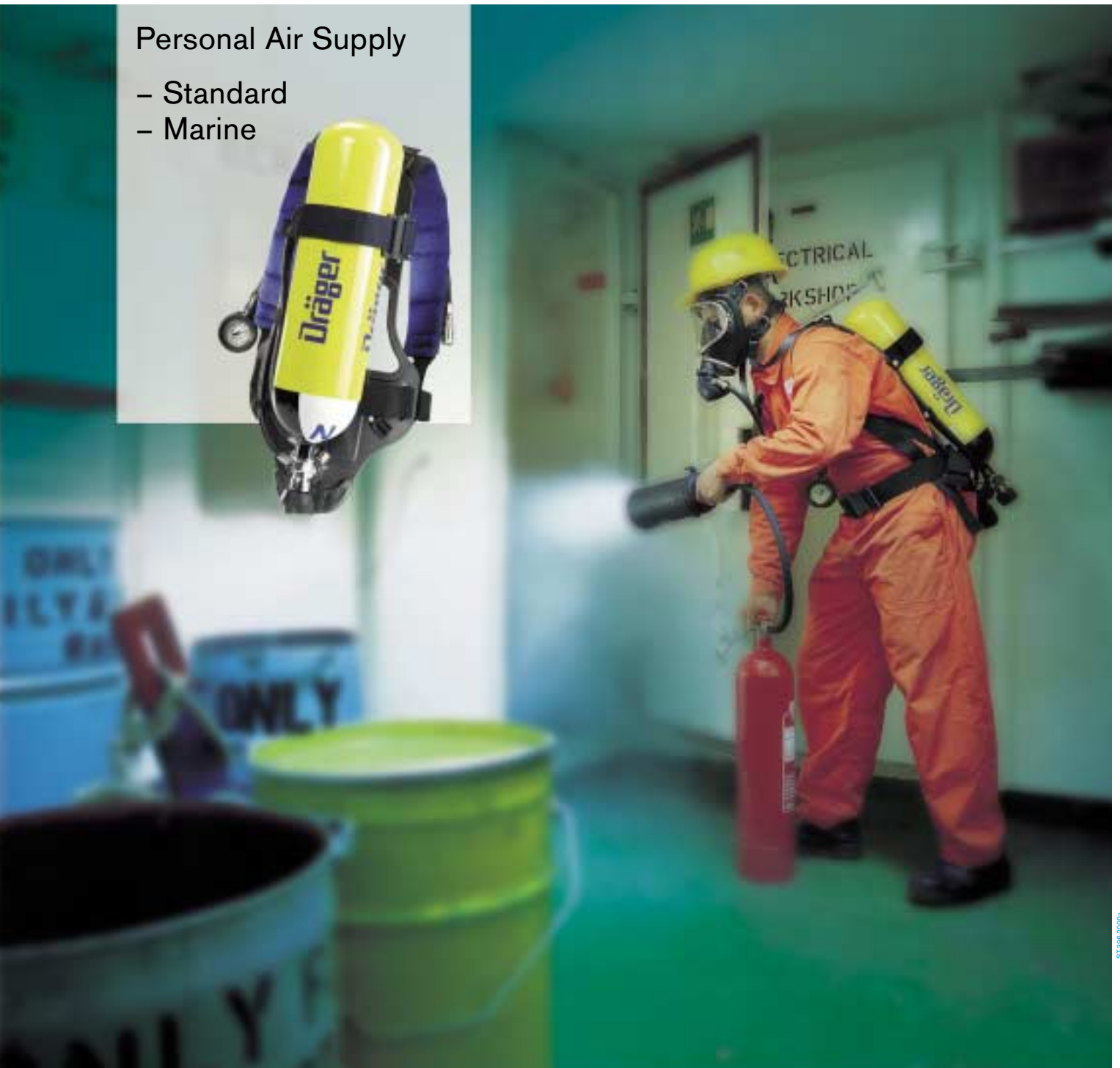


Draeger PAS

Personal Air Supply

- Standard
- Marine



Personal Air Supply



ST-400-2000



ST-400-2000



ST-440-2000





ST-44-2000

Whenever you are working in a potentially hazardous environment, you need to be assured that you have a reliable partner to assist you.

Draeger is renowned worldwide for the highest quality safety products – a name that is synonymous with personal protection and personal safety

When choosing Draeger you are getting equipment of the highest technical standard with proven reliability and wearer comfort. Our products continue to be used in thousands of operational applications worldwide.

The Draeger PAS series of compressed air breathing apparatus has been developed using this wealth of experience to ensure that your Personal Air Supply is a piece of equipment you can always rely upon.



ST-400-2000



ST-441-2000



ST-435-2000



The carrying system

The ergonomically designed carrying system provides a high degree of comfort and stability. The comfortable, padded shoulder straps are quick and easy to don and provide the wearer with unrestricted freedom of movement. The shoulder straps and waistbelt can be adjusted independently. The complete carrying system is flame and chemical resistant.

The universal cylinder strap

The universal cylinder tightening strap is manufactured from Nomex¹⁾ material and incorporates a camlock mechanism. The strap is adjustable and can be used to secure all popular cylinder configurations, from one 6.0 Litre 300 bar steel cylinder up to two 6.8 Litre 300 bar carbon composite cylinders. Following the manual tightening of the strap the camlock mechanism is locked with a single action ensuring that the cylinder is retained on the backplate with maximum security and safety. The free end of the strap is then secured using a fabric fastener.



ST-439-2000



ST-439-2000



ST-439-2000

¹⁾ Nomex is a registered trademark of Dupont.

The backplate

Moulded from a composite material the backplate is anti-static, lightweight, durable and resistant to high temperatures and chemical attack.

The pressure reducer

The Draeger PAS family utilises a well-proven pressure reducer giving the user the following features:

- High air supply rate – even when supplying two users
- Constant, balanced medium pressure to ensure comfortable breathing
- Reliable, easy to service plug-in swivel connectors between the pressure reducer and the high/medium pressure hoses

The lung demand valves

The new Draeger PSS® lung demand valve combines proven components and technology with a number of improved features:

- The impact resistant plastic housing is encased in a silicone protection cover
- With only two sealing rings at the medium pressure hose connection, the ease of servicing and the reliability of the device is considerably improved.

- All connection versions when attached to the mask, including screw types, provide a degree of radial movement to compensate for the head movement of the wearer.
- The newly designed balanced piston unit is quiet in operation. When not pressurised the balanced piston chamber is held in the closed position, thus ensuring that the heart of the lung demand valve is constantly protected against contamination.



| Model | PAS Standard | PAS Standard | PAS Standard |
|-----------------------------------|--------------------------|--------------------------|---------------------------|
| Lung demand valve exclusive | PSS®-N lung demand valve | PSS®-A lung demand valve | PSS®-AE lung demand valve |
| Removable lung demand valve | Yes | Yes | Yes |
| Padded shoulder straps | Yes | Yes | Yes |
| Cylinder tightening strap | One and two cylinders | One and two cylinders | One and two cylinders |
| Tested | EN 137 | EN 137 | EN 137 |
| CE Mark | Yes | Yes | Yes |
| Ship's wheel Mark | Yes | Yes | Yes |
| Approved for German Fire Brigades | Yes | No | Yes |





The carrying system

The ergonomically designed carrying system provides a high degree of comfort and stability. The shoulder straps and waistbelt can be adjusted independently. The complete carrying system is flame and chemical resistant.

The cylinder strap

The cylinder tightening strap is manufactured from Nomex¹⁾ material and incorporates a camlock mechanism. The strap is adjustable and can be used to secure 6.0 Litre 300 bar steel cylinders as well as 6.8 Litre 300 bar carbon composite cylinders. Following the manual tightening of the strap the camlock mechanism is locked with a single action ensuring that the cylinder is retained on the backplate with maximum security and safety. The free end of the strap is then secured using a fabric fastener.



ST-776-99



ST-449-2000



H-1009

¹⁾ Nomex is a registered trademark of Dupont.



ST-302/389/394-2000

The backplate

Moulded from a composite material the backplate is anti-static, lightweight, durable and resistant to high temperatures and chemical attack.

The pressure reducer

The Draeger PAS family utilises a well-proven pressure reducer giving the user the following features:

- High air supply rate – even when supplying two users
- Constant, balanced medium pressure to ensure comfortable breathing
- Reliable, easy to service plug-in swivel connectors between the pressure reducer and the high/medium pressure hoses

The lung demand valves

The new Draeger PSS® lung demand valve combines proven components and technology with a number of improved features:

- The impact resistant plastic housing is encased in a silicone protection cover
- With only two sealing rings at the medium pressure hose connection, the ease of servicing and the reliability of the device is considerably improved.

- All connection versions when attached to the mask, including screw types, provide a degree of radial movement to compensate for the head movement of the wearer.
- The newly designed balanced piston unit is quiet in operation. When not pressurised the balanced piston chamber is held in the closed position, thus ensuring that the heart of the lung demand valve is constantly protected against contamination.

| Model | PAS Marine-N | PAS Marine-A | PAS Marine-AE |
|-----------------------------------|--------------------------|--------------------------|---------------------------|
| Integral lung demand valve | PSS®-N lung demand valve | PSS®-A lung demand valve | PSS®-AE lung demand valve |
| Removable lung demand valve | No | No | No |
| Padded shoulder straps | No | No | No |
| Cylinder tightening strap | One cylinder | One cylinder | One cylinder |
| Tested | EN 137 | EN 137 | EN 137 |
| CE Mark approved | Yes | Yes | Yes |
| Ship's wheel Mark | Yes | Yes | Yes |
| Approved for German Fire Brigades | No | No | No |

List of components

Meticulous attention to detail ...

is the principal by which Draeger carries out its development process, with every component of our compressed air breathing apparatus being subject to a stringent continuous improvement programme.

Our products are developed in close consultation with experienced end users ensuring we are continuously open to innovative ideas and provide equipment to match market expectations.

Draeger PAS Standard



Draeger PAS Standard

33 50 592



Draeger PSS-N lung demand valve

33 50 501



Draeger PSS-A lung demand valve

33 38 700



Draeger PSS-AE lung demand valve

33 38 706

Draeger PAS Marine



Draeger PAS Marine-N

incl. Draeger PSS-N lung demand valve

33 50 689



Draeger PAS Marine-A

incl. Draeger PSS-A lung demand valve

33 50 691



Draeger PAS Marine-AE

incl. Draeger PSS-AE lung demand valve

33 50 688

Masks and Accessories



**Panorama Nova
RA PC**
R 52 850

Without illustration:
**Panorama Nova
Silicone RA PC**
R 52 855



**Panorama Nova
Standard RA K/rt**
(Available from
February 2001)
R 54 990



**Panorama Nova
P PC**
R 52 972

Without illustration:
**Panorama Nova
Silicone P PC**
R 53 070



**Panorama Nova
Standard P K/rt**
R 54 450



**Panorama Nova
PE PC**
R 51 492

Without illustration:
**Panorama Nova
Silicone PE PC**
R 52 355



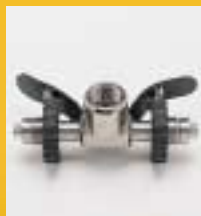
**Panorama Nova
Standard PE K/rt**
R 54 720



**Mask-goggles
Panorama Nova**
R 51 548



**Portable Box Wikov
for Panorama Nova
Masks**
R 51 019



T-piece
for twin 6.0 L/300 bar
and 6.8 L/300 bar
carbon fibre cylinders
33 37 660



Y-piece
for twin 4.0 L/200 bar
cylinders
33 39 615

Compressed Air Cylinders



**Steel cylinder
6.0 L/300 bar**
B 10 609



**Steel cylinder
6.0 L/300 bar
extra light**
B 10 604



**Steel cylinder
4.0 L/200 bar**
B 10 435



**Carbon composite
cylinder 6.8 L/300 bar**
B 10 696



**Carbon composite
cylinder 6.8 L/300 bar
with plastic liner**
B 10 680



**Carbon composite
cylinder 6.0 L/300 bar**
B 10 686



**DraegerProtex
cylinder cover for
carbon composite
cylinders 6.8 L/300 bar
(10 Covers)**
B 00 946



**DraegerProtex
cylinder cover for
carbon composite
cylinders 6.0 L/300 bar
(10 Covers)**
B 00 947



**DraegerProtex
cylinder cover for
cylinder B 10 680
(10 Covers)**
B 00 949

Personal Air Supply

Approved ...

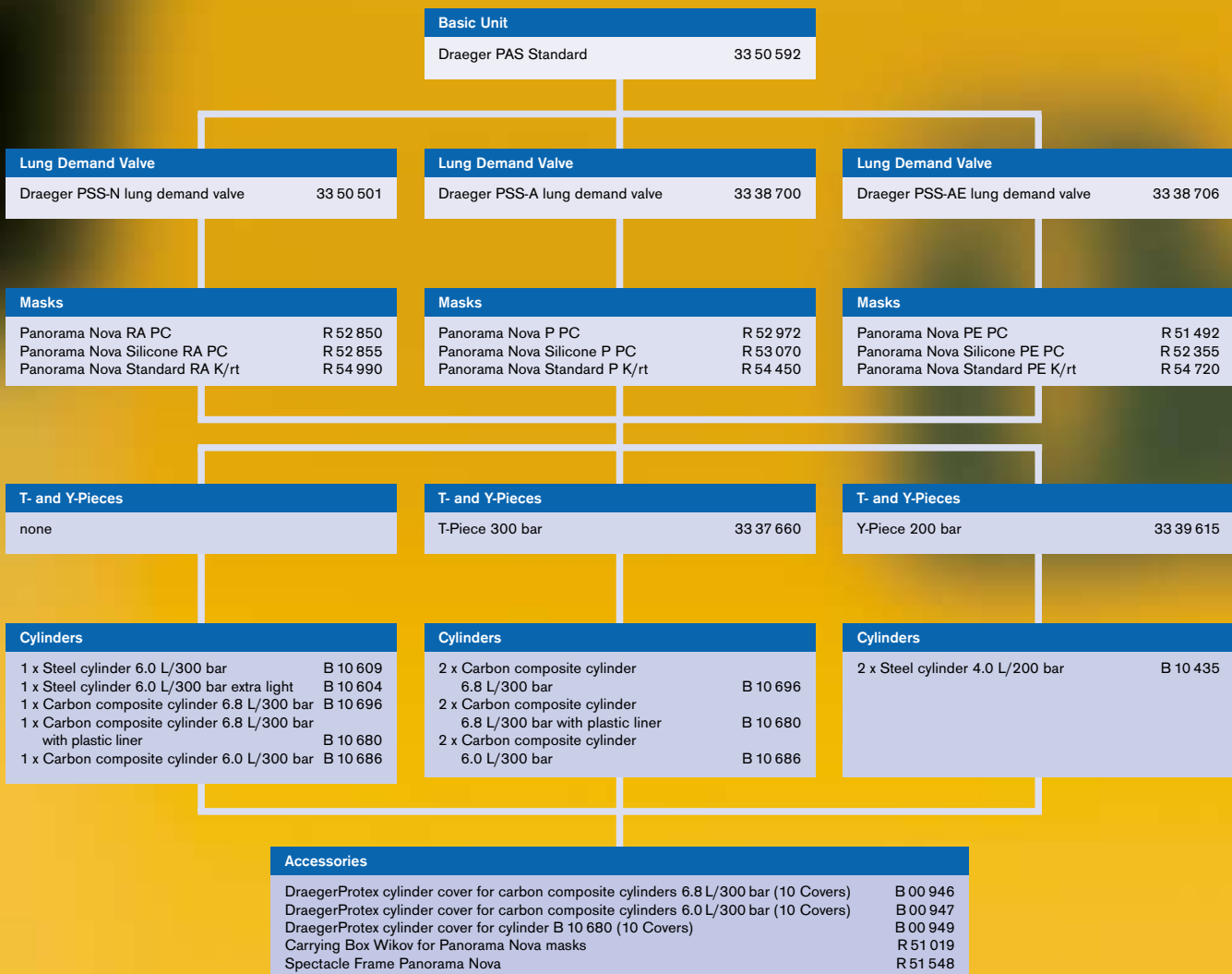
Each personal air supply consists of the following components: basic unit, lung demand valve, mask and cylinder that together provide a large number of possible combinations.

All combinations have been fully tested as per EN 137 and certified according to the PSA directive 89/686/EEC. Based on these tests the respective device combination is registered with the EC Type Examination Certificate with the specification of the CE Mark.

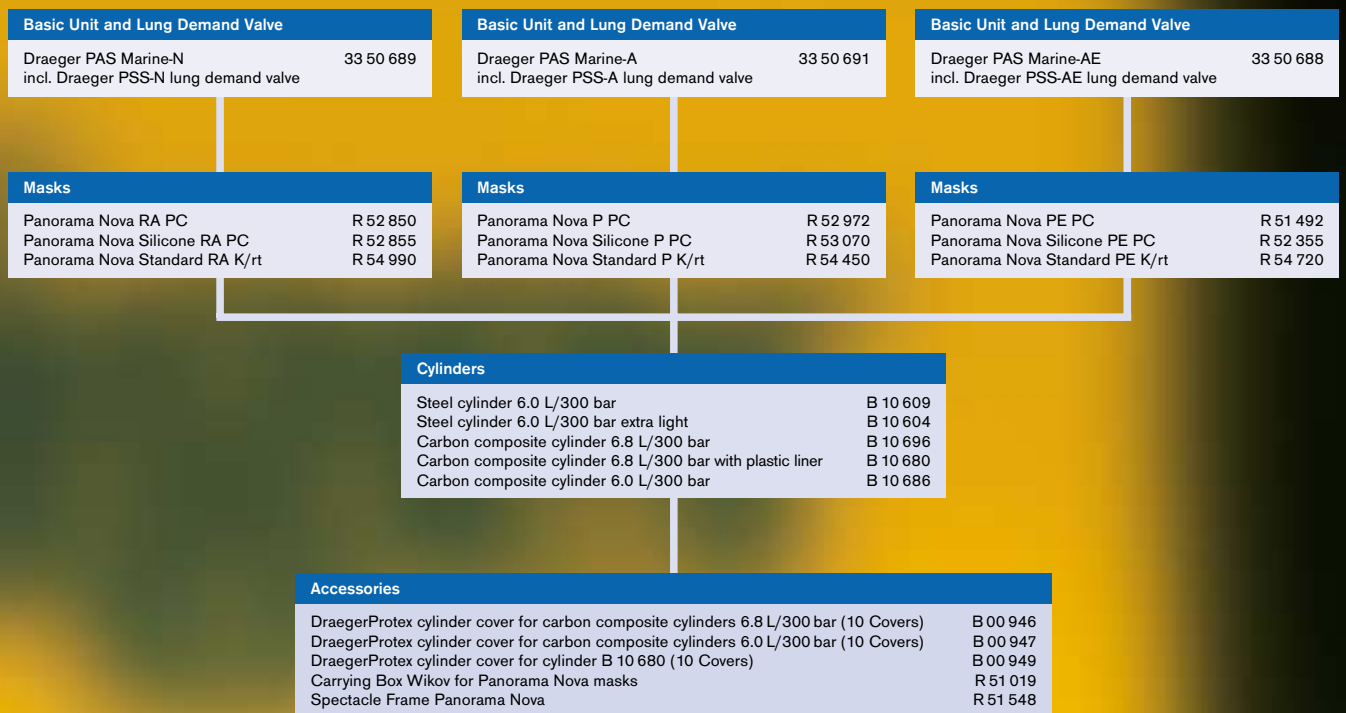
All compressed air breathing apparatus of the PAS family are certified according to the shipping marine equipment directive (MED directive) and are marked with the ship's wheel.

Additionally, for all device combinations of the Draeger PAS Standard that have a lung demand valve with N or AE connection, the conformity with the vfdb directive 08/02 and thus the suitability to be used by German fire fighting professionals has been confirmed (approval for German fire brigades).

Draeger PAS Standard



Draeger PAS Marine



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DrägerService

Dräger equipment must always be fully operational and safe. DrägerService offers a regular inspection service and is quickly available in the event of malfunction. Your equipment will be repaired and back in operation as quickly as possible. DrägerService facilitates the vital flow of information between client and manufacturer.

Dräger Expertise

Since 1889, Dräger has had an outstanding reputation for solving problems in the field of human breathing. Dräger has been deeply involved in the handling of gases, in particular hazard protection and the saving of life in medical and industrial emergencies. Many of the company's 9500 employees are active in research and innovation to ensure that the latest techniques and scientific advances are fully tested before their inclusion in new equipment.



Dräger Worldwide

The Dräger sales and service organisation is spread throughout the world. It comprises more than 25 subsidiaries and associated companies to ensure that Dräger is always within easy reach of its clients and in close contact with all important markets. Dräger's ever increasing market share demonstrates the company's international competitiveness and strength.

Dräger has subsidiaries in the following countries: Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Czech Republic, Denmark, France, Great Britain, Hungary, Indonesia, Italy, Japan, the Netherlands, Norway, Romania, Singapore, Slovenia, Slovakia, South Africa, Spain, Sweden, Switzerland, Thailand, Yugoslavia, USA. Additionally, Dräger is widely represented in Central and South America, Africa, the Middle East, the Far East and Eastern Europe.

Quality and Environmental Management

Our mission includes the continuous improvement of our Quality and Environmental Management Systems in accordance with ISO 9001 and ISO 14001.