

LIFE SUPPORT UNITS*





SAFETY FIRST *

- * Although VTN Safety has been delivering high-performance personal protective equipment in the Netherlands for over 30 years now, we are a relatively new player on the international market. Nevertheless, we already see ourselves as a leading supplier in the field of high-performance personal protective equipment, in particular for large (chemical) industries, offshore, industrial cleaning companies, but also for storage and transshipment companies for hazardous materials.
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* PRODUCT RANGE

Especially for the international market, VTN Safety supplies a limited product range of high-performance personal protective equipment. This range includes amongst other things portable gas detectors, as well as a wide variety of customised breathing air hoses that meet EN 14593/ EN 14594.

Additionally, VTN Safety supplies a wide range of VTN-manufactured Life Support Units and breathing air trolleys. These products are manufactured in our facility in the Netherlands and are all CE marked by an official Notified Body. This puts VTN Safety ahead of others when it comes to product development and our aim to achieve the customised solutions desired by our customers in close cooperation with them.



* SERVICE

In addition to the manufacture and supply of high-quality personal protective products, the quality of our service is also a spearhead within our organisation. VTN Safety has various well-equipped service workshops close to the Dutch-German border, to be able to carry out repairs and maintenance work on products such as portable gas detectors and Ansell protective clothing, as well as Life Support Units and breathing air trolleys.



* TRAINING

To minimise the risks of purchased personal protective equipment being used incorrectly due to a lack of knowledge, VTN Safety offers various training courses in the use of the products supplied or manufactured by us. We teach users to make optimum use of the supplied equipment, but we also enable them to carry out minor maintenance. The training is provided in our high-tech training facility in Oss, the Netherlands, or if required, at any other location.



* CERTIFICATIONS

VTN Safety has been ISO 9001-certified for years. This quality standard is the basis on which we provide quality to our customers. We consider quality to mean meeting our own professional requirements and working within the applicable laws and regulations, but especially also meeting the requirements and expectations of our customers. Therefore, our quality system is not just aimed at assurance, but especially also at improvement.

There is an increased focus on safety nowadays, as a result of which companies naturally have to meet a large number of requirements. As the client, you will obviously also have strict requirements for the level of safety in regard to the work being performed by external parties on your premises. That is why we also have SSC (Dutch:VCA) certification in addition to ISO. The SSC (VCA) certification applies to the organisation as a whole and also to each of our individual service staff members.



* LIFE SUPPORT UNITS

While performing maintenance and repair work on industrial installations, the use of a suitable self-contained breathing apparatus (SCBA) often is a key condition, especially if this work is being performed in confined spaces.

In certain cases, the use of a SCBA alone will be insufficient because of the duration of the work. In these cases, external breathing air facilities with a significantly bigger breathing air capacity are required.

To meet the demand for these high-performance breathing air facilities, VTN has developed an extensive and high-quality range of mobile breathing line systems in recent years. They vary from breathing air trolleys to life support units which systems are also suitable for installation in a truck or container. These products are designed to be suitable for daily use in severe conditions, taking into account the users' wishes.

All mobile breathing air units designed and manufactured by VTN also have an official CE approval mark through TÜV/Lloyd's Register and they all meet the Pressure Equipment Directive 97/23/EC (2016: 2014/68/EU). It will therefore come as no surprise that, based on their proven quality and user-friendliness, all of these VTN breathing air products have found their way to many well-known industrial (supply) companies and the associated specialist rental companies in the Netherlands and – by now – abroad.





* APOLLO

THE MODULAR BREATHING AIR TROLLEY

The Apollo breathing air trolley, with an official CE approval mark in accordance with the Pressure Equipment Directive 97/23/EC (2016: 2014/68/EU) is designed to be highly manoeuvrable without losing the required stability. The trolley is made of a steel frame with a dark-grey powder coating and an approved lifting eye. The trolley is also available as a stainless-steel version.

The Apollo has two breathing air cylinders of 50 litres/300 bar each, making the total available volume of breathing air 30,000 litres. This makes it possible to supply external breathing air to two persons using a positive pressure breathing apparatus for about 6.5 hours when used simultaneously. Furthermore, each Apollo comes with two manually controlled stainless-steel reels, each with 50 metres of 3/8" breathing air hose, in accordance with EN 14593/14594.

For the more demanding user, the Apollo can also be fitted with a matching control panel with an adjustable 0-10 bar reducer valve and a high- and low-pressure manometer, as well as a mechanical residual pressure detector with a whistle. Additionally, two extras are available, consisting of a fixed high-pressure refilling connection and a lockable stainless-steel storage box.



APOLLO HIGHLIGHTS

- Powder-coated steel frame; stainless steel frame optional
- Fitted with approved lifting eye
- Solid-core wheels, rear wheels with brakes
- 2 x 50 l/300 bar breathing air cylinders
- Comes with two stainless-steel reels, each with 50 meter breathing air hose
- Includes steel coated grounding reel with clamp
- CE approved by TÜV/ Lloyd's Register
- Optional extras include control panel, fixed refilling connection and steel storage box



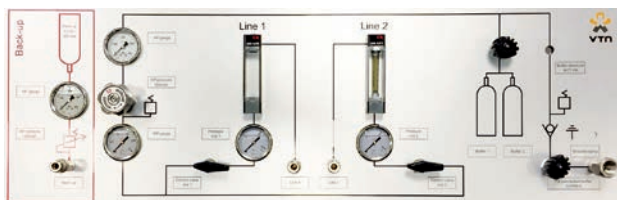
* TITAN

THE INNOVATIVE, QUICKLY DEPLOYABLE AND COMPACT BREATHING AIR UNIT THAT SUPPLIES AN UNPRECEDENTED VOLUME OF BREATHING AIR

The Titan is a unique and easily controlled breathing air unit with an unprecedented volume of breathing air, installed in a compact and quickly deployable trailer. By using two 140 litre/ 300 bar cylinders with a total volume of 84,000 litres of breathing air, this life support unit has considerably more air available compared to the traditionally used 50 litre breathing air cylinders. The use of these larger breathing air cylinders provides an additional volume of breathing air of no less than 24,000 litres. It is ideal for use during rapid deployments and in situations where large life support units with compressors cannot be used, but that do require a prolonged supply of breathing air.



Especially for transportation on public roads, the Titan has a steel protective frame, which ensures that the breathing air cylinders are safely secured in the aluminium trailer. This is also the reason why the trailer has a brake system.



The control panel with engraved diagrams and text shows all the relevant information and is easy to operate. All valves, manometers and flowmeters are installed in this control panel made of anodised aluminium. Naturally, the Titan is also CE-certified in accordance with PED 97/23/EC (2016: 2014/68/EU) by TÜV/ Lloyd's Register.

TITAN HIGHLIGHTS

- Aluminium trailer with brakes, maximum load capacity of 1,350 kg (can be retested for lower loads upon request)
- Electrolytically galvanised steel protective frame for two breathing air cylinders of 140 litres/300 bar
- Adjustable 0-14 bar reducer valve
- Fitted with 300 bar overpressure protection to prevent overfilling of the cylinders.
- Includes mechanical residual pressure detector with a whistle
- Includes steel coated grounding reel with clamp
- Air supply > 600 litres/minute
- CE approved by TÜV/ Lloyd's Register
- Optional extras include back-up breathing air system, residual pressure detector with air horn, storage bins made of aluminium chequer plate and a spare wheel





* JUPITER

THE COMPLETE LIFE SUPPORT SYSTEM - IF AN EASY OPERATION AND OPTIMUM SAFETY MUST BE GUARANTEED FOR UP TO FOUR USERS

The JUPITER life support unit is designed to guarantee maximum safety for up to four simultaneous breathing air users by making use of a primary and a secondary breathing air system.

The primary breathing air system is supplied by a heavy-duty Atlas Copco compressor in combination with a Donaldson breathing air filter unit. The latter ensures that optimum air quality in accordance with EN 12021 is guaranteed. For the secondary breathing air system, the back-up system, two 50 litre/ 350 bar breathing air cylinders are used. Both breathing air systems operate fully independently from each other.



The aluminium control panel specially designed for the Jupiter with engraved diagrams and text makes it very easy to use for the operator, plus it provides clear relevant information at a glance. All valves, manometers and flowmeters are installed in this control panel made of anodised aluminium.

Furthermore, the Jupiter breathing air unit has various pressure sensors and a gas detection system to continuously measure the quality of the air entering the compressor. If the pressures are incorrect or polluted air is detected by the gas detection system, the life support system will automatically switch to the back-up system and trigger a alarm signal.

The entire breathing air system of the Jupiter is CE approved in accordance with PED Directive 97/23/EC (2016: 2014/68/EU).

JUPITER HIGHLIGHTS

- Trailer with brakes, aluminium roller shutters and a maximum load capacity of 2,700 kg
- Diesel-powered Atlas Copco compressor with aftercooler and spark guard
- Filtration by means of Donaldson breathing air filter unit
- Comes with four reels with 50 meter replaceable 3/8" breathing air hoses
- Fixed high-pressure refilling connection
- Fitted with 315 bar overpressure protection to prevent overfilling of the cylinders
- Includes steel coated steel grounding reel with clamp
- Air supply > 300 litres/minutes per air line
- CE approved by TÜV/ Lloyd's Register
- Optional extras include a refuelling opening on the side of the compressor, a second battery accessory and storage bins above the cylinders, a communication system and double breathing air lines
- This system can also be installed in a container or a truck





GAS DETECTION
CHEMICAL PROTECTIVE CLOTHING
LIFE SUPPORT UNITS
BREATHING AIR SYSTEMS
DECONTAMINATION
TRAINING

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