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High-pressure Compressor Oceanus

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The OCEANUS impresses with its excellent performance data: despite being almost identical in size, it can fill a breathing air cylinder up to 40% faster than the JUNIOR II.

Designed for challenging professional applications, it impresses with its durability, mobility and high free air delivery.

Thanks to the corrosion-resistant base frame made from stainless steel, the OCEANUS is the ideal compressor even for tropical climates. It is used on ships, submersibles and expeditions, and is also suitable for use as a paintball compressor, sport shooting compressor or mobile fire service compressor.

A generous oil reserve in the crankcase and the powerful oil pump mean that operation is also possible even at very oblique angles up to 30° (up to 20° in the petrol version). This quiet and compact unit can be carried easily by a single person and will fit in almost any car boot.

Details and Features

OCEANUS compressor block

The integrated low-pressure lubrication with slow running gear pump increases the service life of all moving parts of the compressor block. Precisely the right amount of oil is fed into the compressor stages. Furthermore, the very easily accessible oil filler neck with oil dipstick make it easy to check the oil level.

Plateau-honed cylinders along with wear-resistant piston rings in the final stage minimise running costs. The compressor is capable of operation even at oblique angles of up to 30° (up to 20° in the petrol version).

P 21 filter system

When used in conjunction with original BAUER filter cartridges, the P 21 filter system with integrated oil and water separator and pressure retention check valve can be relied upon for breathing air treatment conforming to DIN EN 12021[1]. A type-tested and sealed final pressure safety valve enables particularly high levels of operational safety to be achieved. 140 m^3 of air can be treated.

[1] If the units are maintained and installed correctly as described in the operating instructions or user manual and if the concentration of CO_2 in the intake air does not exceed the values specified in the applicable standard for breathing air.

B-TIMER filter cartridge monitoring

The operating hours and the current level of cartridge saturation are displayed on the unique B-TIMER mini-computer. The B-TIMER flashes when a cartridge change is due. At the same time, the purchase order of the filter cartridge

required is shown on the display. This ensures that the very best use is made of the filter's capacity at all times.

Stainless steel base frame and carrying handle

The stainless steel design provides the best possible protection against corrosion for applications in tropical regions or at sea.

Filling device

The filling device comprises a flexible "UNIMAM" high-pressure filling hose and filling valve complete with final pressure gauge. The final pressure gauge makes it easy to read off the filling pressure. It is protected against damage by a durable rubber jacket.

Filling hose
High-quality UNIMAM high-pressure filling hoses made from food-safe and long-life hose material make for flexible and safe handling. Swivel hose connections enable the filling valve to be connected to the breathing air cylinder quickly, easily and safely.

Technical specifications

- Durable and robust: Frame, handle and safe filling valve made from rust-free material
- Minimum wear: Thanks to piston rings made from innovative high-tech plastic
- Impressive performance data: At charging rate of 140 l/min
- Really easy to transport: Outstandingly light in weight and easy to handle

Type designation	Charging rate[1]	Drive		Net weight	Dimensions L × W × H
	l/min	Motor	kW	approx. kg	cm
OCEANUS-B	140	Petrol engine	5	47	79×35×42
OCEANUS-E	140	Three-phase motor, 400 V, 50 Hz [2]	3	52	66×40×42
OCEANUS-W	140	Alternating current motor 230 V, 50 Hz [2]	3	52	66×40×42

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OCEANUS