

## Breathing Air Compressors

### Description:

The units of the COMPACT LINE – the JUNIOR II and the OCEANUS – perfectly suit the use on board vessels that need to refill breathing air cylinders regularly but not continuously. Both compressor types are lightweight, have a compact design and the cost effectiveness of the range does not affect the toughness of the compressor.

### Breathing Air Compressor JUNIOR II

The New Classic from BAUER Compressors The JUNIOR II's small size and refined compressor technology appeal especially to those users who want a safe and reliable source of pure air, even in remote locations. This compact BAUER unit has been manufactured using top quality components, upholding BAUER's core characteristics of reliability and safety. The compact design of the JUNIOR II creates better value for money. The JUNIOR II unit is available with a turquoise plastic fan shroud, grey handle and frame, as well as an aluminium block. The patented TRIPLEX® filter cartridge is a safe source of pure breathing air according to DIN EN 12021 (formerly DIN EN 3188).



**TRIPLEX® filter cartridge:** P21 filter with modifications (condensate outlet, modified filter bottom, shorter housing and standard safety valve).

**Condensate drain:** manual drain operated by two screw knobs on the filter housing and one on the separator after the second stage. These drains have been placed at a height that leaves enough space for a condensate container underneath.

**All Compressor Versions:** L-shaped frame with special base plate for the compressor block and motor allowing fast and simple belt tensioning, V-belt drive (SPZ belt), Plastic fan shroud with integrated holders for the telescopic intake tube, Steel carrying handle fixed to the base plate allows easy transport by two people (rails on both sides of the unit), Rubber anti-vibration feet, integrated fill adapter brackets for two hoses with DIN and ISO connections.

Available with switch over device 330 / 225 bar or 225 bar/330 bar alternatively

### Breathing Air Compressor OCEANUS

For professional performance. Offers toughness, mobility and greater air capacity! OCEANUS is designed to go on vessels, diving boats and expeditions. The lightweight and compact unit is portable by a single person and fits in every boot.

#### New design – High grade steel

The use of stainless steel and Kevlar for frame and filling device ensures extreme resistance to corrosion.

For durability and best possible resistance to corrosion the frame, handle and safety-filling device are made of stainless steel. Filling hose is made of Kevlar. Inter- and after coolers are made of galvanized steel.

### PROFI- LINE

#### Description:

The units of the PROFI LINE II - MARINER 200, MARINER 250 and MARINER 320 - are designed for professional divers and those who operate professional filling stations. The compressors offers apart from the high toughness of BAUER compressors, above all, economic efficiency, extremely tough continuous operation and expansibility.

### Breathing Air Compressor MARINER

Professional quality. Tailored to meet particular requirements. With alternatives between 200 l/min to 320 l/min the MARINER range is the most versatile among the new units of the PROFI LINE II. Crash frame in series.

#### Indestructible

The driving gear is suitable for short running as well as continuous operation. The 3-/4stage construction and the heavy-duty industrial roller bearings guarantee maximum lifetime for all professional applications. The first stage and the high pressure final stage are equipped with high tech polymer piston rings, which proved their outstanding wear and tear properties during several endurance tests in an independent Quality Inspection Centre. The maintenance-free rigid oil pump guarantees reliable lubrication.

#### Resistant

A newly developed, supra-light aluminium chassis guaranteed to offer the best protection against corrosion!

The inter- and after-coolers are made of stainless steel, to resist the toughest climate conditions. The vibration reducing construction of the motor rocker stands for smoothest compressor operation as well as self-tensioning of the v-belt.



## Breathing Air Compressors

### Economic

A filter cartridge of the new SUPER-TRIPLEX P 31 fills up to 230 breathing air cylinders.\* Optional: P 41 filter-system for up to 530 breathing air cylinder fillings.\*

\* 10-liter breathing air cylinder at 20°C ambient temperature

\* available with change over device 330 / 225 bar or 225 / 330 bar alternatively.

The patented TRIPLEX filter system guarantees pure breathing air according to DIN EN 12021 (formerly DIN EN 3188)

### Bauer electronic control unit model B-Timer as option

for Bauer purification systems P21, P31 en P41

#### Features

- Temperature compensated filtercartridge lifetime control
- Maintenance interval control
- Running hour counter
- Low battery control

Power supply: 3V lithium battery

Lifetime battery: approx. 3 years

Installation requires no piping og wiring.

Commissioning by means of 2 foil keys and symbol menu.

Also suitable for upgrading existing Bauer h.p. breathing air compressors which are equipped with one of the aforementioned Bauer purification systems.



### Technical Data:

Models max. 330 bar/ 5000 psig *	Drive	F.A.D. l/min *	Drive		Filter System TRIPLEX	Dimensions approx. cm			Weight net approx. kg
			kW	PS		L	W	H	
JUNIOR II-E	3-phase	100	2.2	3.0	P21	78	34	42	46
OCEANUS-E	3-phase	140	3.0	4.0	P21	66	40	42	52
MARINER 200-E	3-phase	200	4.0	5.5	P21	125	59	63	115
MARINER 250-E	3-phase	250	5.5	7.5	P31	125	59	63	135
MARINER 320-E	3-phase	320	7.5	10	P31	130	65	70	154

\* available with change over device 330 / 225 bar or 225 / 330 bar alternatively.

The patented TRIPLEX filter system guarantees purest breathing air according to DIN EN 12021 (formerly DIN EN 3188)

### Ordering information:

Product no.	Type	Voltage	Frequency Hz	Pressure (bar)
395 619387	JII E	400/440	50/60	200
395 619395	JII EH	400/440	50/60	300
395 619403	JII EHU	400/440	50/60	200/300
395 735829	OCEANUS E	400/440	50/60	200
395 735837	OCEANUS EH	400/440	50/60	300
395 735845	OCEANUS EHU	400/440	50/60	200/300
395 790598	MARINER 200-E	400/440	50/60	200
395 L16183	MARINER 250-E	400/440	50/60	200
395 791691	MARINER 320-EH	400/440	50/60	300

### Accessories:

Product no.	Description
395 528935	Filter charge KB-57679 for TRIPLEX filter
395 605261	Additional Filling valve 200 Bar
395 605253	Additional Filling valve 300 Bar
395 652644	Service kit Junior II, 500 hours
395 652651	Service kit Junior II, 1000 hours
395 L18155	B-timer (hour meter)
395 709121	Change over device from 300-200 bar
395 709139	Change over device from 200-300 bar
395 655134	Mineral oil 11
395 655167	Synthetic oil 11

Other Bauer models and voltage available on request

## Breathing air quality tester

## Ordering information:

Product no:	Qty	U/M	Description
391 736660	1	pce	<b>Breathing air quality tester cpt Consisting of:</b>
391 728568	1	pce	Breathing Air Qual. Test Tool GCE
391 728576	4	pcs	Tube Hold. F Gas Testing
391 735241	1	pce	Timer Clock
391 735258	1	pce	IR Thermometer -33 to 220 Deg.C
391 736504	1	pce	User instruction manual for BA tester
			<b>Calibration instrument:</b>
381 708958	1	pce	Flowmeter 0.3 ltr/min - 2.5 ltr/min
			<b>Test Tubes: (10 pack)</b>
388 734723	1	set	Gas Detection tube: Airtest CO <sub>2</sub> HP
388 661553	1	set	Gas Detection tube: Airtest CO HP
388 734715	1	set	Gas Detection tube: Airtest Synth. Oil HP
388 661728	1	set	Gas Detection tube: Airtest H <sub>2</sub> O HP

Please notice that Barwil Unitor has standardized the kit for using synthetical oil.  
If you are using mineral oil you need to order the mineral oil test tubes in addition.

## Optional items are:

Product no:	Qty	U/M	Optional equipment
388 661686	1	set	Gas Detection tube: Airtest Mineral Oil HP
388 735373	1	set	Gas Detection tube: Airtest N <sub>2</sub> O HP

The Breathing air quality tester comes in a handy suitcase with sufficient space for all tools.