

DIVE LINE COMPRESSOR SYSTEMS 2022



Features a 5-year System and 10-year Block Warranty

The compressor models shown in this brochure and their electrical controls are registered under CSA and certified accordingly. Changes to any of the electrical controls or components will void the existing CSA certification.

A Special Inspection will need to be performed by CSA to certify any custom compressor package. Please consult a Jordair representative for CSA Special Inspection pricing.

Please consult a Jordair representative for a breakdown of all additional costs that may be incurred on a custom compressor.

Jordair breathing air compressors and filter systems meet or exceed the latest CSA standard CAN/CSA-Z180.1-13 (approved January 2013).

4500 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*		WEIGHT	SIZE (CM) - H x D x W
PE-100-1E	4.7 SCFM	3.0 HP	P11	4250 FT ³	46 KG	42 x 39 x 66
PE-100-3E	4.7 SCFM	3.0 HP	P11	4250 FT ³	46 KG	42 x 39 x 66
PE-100-G	4.7 SCFM	5.5 HP	P11	4250 FT ³	44 KG	42 x 34 x 78
JUNIOR II-1E	4.7 SCFM	3.0 HP	P21	4250 FT ³	46 KG	42 x 39 x 66
JUNIOR II-3E	4.7 SCFM	3.0 HP	P21	4250 FT ³	46 KG	42 x 39 x 66
JUNIOR II-G	4.7 SCFM	5.5 HP	P21	4250 FT ³	44 KG	42 x 34 x 78
OCEANUS-1E	6.7 SCFM	5.0 HP	P21	4250 FT ³	52 KG	42 x 40 x 66
OCEANUS-G	6.7 SCFM	5.5 HP	P21	4250 FT ³	47 KG	42 x 35 x 79
IK100-G	8.4 SCFM	5.5 HP	JB11	16,800 FT ³	100 KG	68 x 63 x 127
IK120-G	12.7	9.0	JB11	16,800 FT ³	115 KG	68 x 63 x 127

Simple pull start gas powered units are available for the IK100, IK120 and IK12.14 series blocks in a 6100 PSIG version. Contact the factory for a quote based on your required scope of supply.

* Filter Capacity is based on 20°C; for a 10°C increase in temperature decrease capacity by 50%

TECHNICAL DATA

STANDARD COMPRESSOR FEATURES

These are basic compressor packages that come standard with a basic flat frame, drive motor, oil and water separator, purifier, manual condensate drain valves, 1 x fill hose and final stage pressure relief valve and gauge. These models DO NOT include any electrical controls, inter-stage pressure gauges or auto drain system.

Starting and stopping the compressor, draining the separators and monitoring oil pressure and air temperature are left to the customer. Please see the Compressor Upgrade Options section to add available options.

The Bauer filter systems are rated for a final pressure of 4700 PSIG, relief valve setting are available for lower set pressures. Advise the fill pressure and type of connection required when ordering.

CAPACITY CALCULATIONS

Compressor Flow Rate, or “Charge Rate”, is based on filling a 88 cubic (ft³) SCBA cylinder from 1100 to 4500 PSIG
 Technical specifications are subject to change without notice

FILTRATION SYSTEM DESCRIPTION

P11 Consists of an oil and water separator and filter combo tower (59183 drying, oil and CO removal cartridge is supplied within the standard scope of supply)

ORDERING INFORMATION

Single Phase Voltages Available: (-1E) 208V, 230V

Three Phase Voltages Available: (-3E) 208V, 230V, 460V, 575V

When placing an order, add the voltage at the end of the model number (eg. JUNIOR II-1E-230V)

When ordering the 4700 PSIG Dive Line compressors please specify the fill connection type: SCBA 2216 or 4500, SCUBA, DIN 200 Bar (3000 PSIG), 240 Bar (3500 PSIG or 300 Bar (4300 PSIG)Weights and Sizes are approximations and are subject to change without notice base on the final product scope of supply. For exact weights and dimensions please consult a Jordair representative.

COMPRESSOR UPGRADE OPTIONS

MOTOR STARTER AND ELECTRIC:

J-E-STARTERBOX-C-3-1	Motor starter and electrical box assembly - 3 HP, 1 Phase
J-E-STARTERBOX-C-3-3	Motor starter and electrical box assembly - 3 HP, 3 Phase
J-E-STARTERBOX-C-5-1	Motor starter and electrical box assembly - 5 HP, 1 Phase
J-E-STARTERBOX-C-5-3	Motor starter and electrical box assembly - 5 HP, 3 Phase
J-E-KIT-SWITCH-FINAL-1	Final Pressure Switch, 600-6000 PSI
J-E-KIT-SWITCH-FITTINGS	Fittings to add a pressure switch

B-TIMER:

N27286	B-Timer - P21, P31, JBP41 Cartridges
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COMPRESSOR SERVICE PARTS

For PE Model

QTY	Part Name	Part Number
1	Inlet Filter	N4823
1	Filter Cartridge	59183
1	O-ring	N26701
1	Synthetic Oil 1 Litre	J-C751-1

For Junior, Oceanus Models

QTY	Part Name	Part Number
1	Inlet Filter	N4823
1	Filter Cartridge	59183
1	O-ring	N4586
1	Synthetic Oil 1 Litre	J-C751-1

COMPRESSOR BLOCK TECHNICAL DATA

4500 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	kW	
PE-100	2350 RPM	4.7 SCFM	3	3.0	2.2	4500 PSIG
JUNIOR	2350 RPM	4.7 SCFM	3	3.0	2.2	4500 PSIG
OCEANUS	2350 RPM	6.7 SCFM	3	5.0	3.6	4500 PSIG

* Paired rows share the same compressor block. The model number with the * is the actual block number. The other compressor blocks run at different speeds and therefore have been given a different number.

BAUER COMPRESSOR BLOCK FEATURES

- New high velocity, full flow cooling fan assembly that produces high velocity airflow over the coolers, pressure cylinders and crankcase to cool the compressed air and lubricating oil.
- Drive gear designed for an operating life of up to 30,000 hours.
- Stainless steel inter and after-coolers for high efficiency cooling and corrosion free operation.
- Cylinders are hardened through a plasma-nitrate process for up to 10,000 hours of operating life and low wear with excellent lubricating oil retention.
- Redesigned rings for the HP piston are synthetic material for low wear and a long operating life with very little oil carry over.
- Single-piece crankcase made of a high strength aluminum alloy for higher stability, larger oil capacity, and low vibration.
- Full flow oil system with a crankshaft-driven gear pump and full flow oil filter.
- Visual oil level indicator is designed show the accurate oil level.
- New reed valve on the first stage which offers higher efficiency and redesigned intake filter reduces intake valve noise.
- New final stage oil cooled cylinder and cylinder-head for lower air discharge temperature.

PE**OCEANUS****JUNIOR**

NOTE: Jordair reserves the right to change models or scope of supply at its own discretion and without notice; obtaining current factory technical product descriptions is recommended