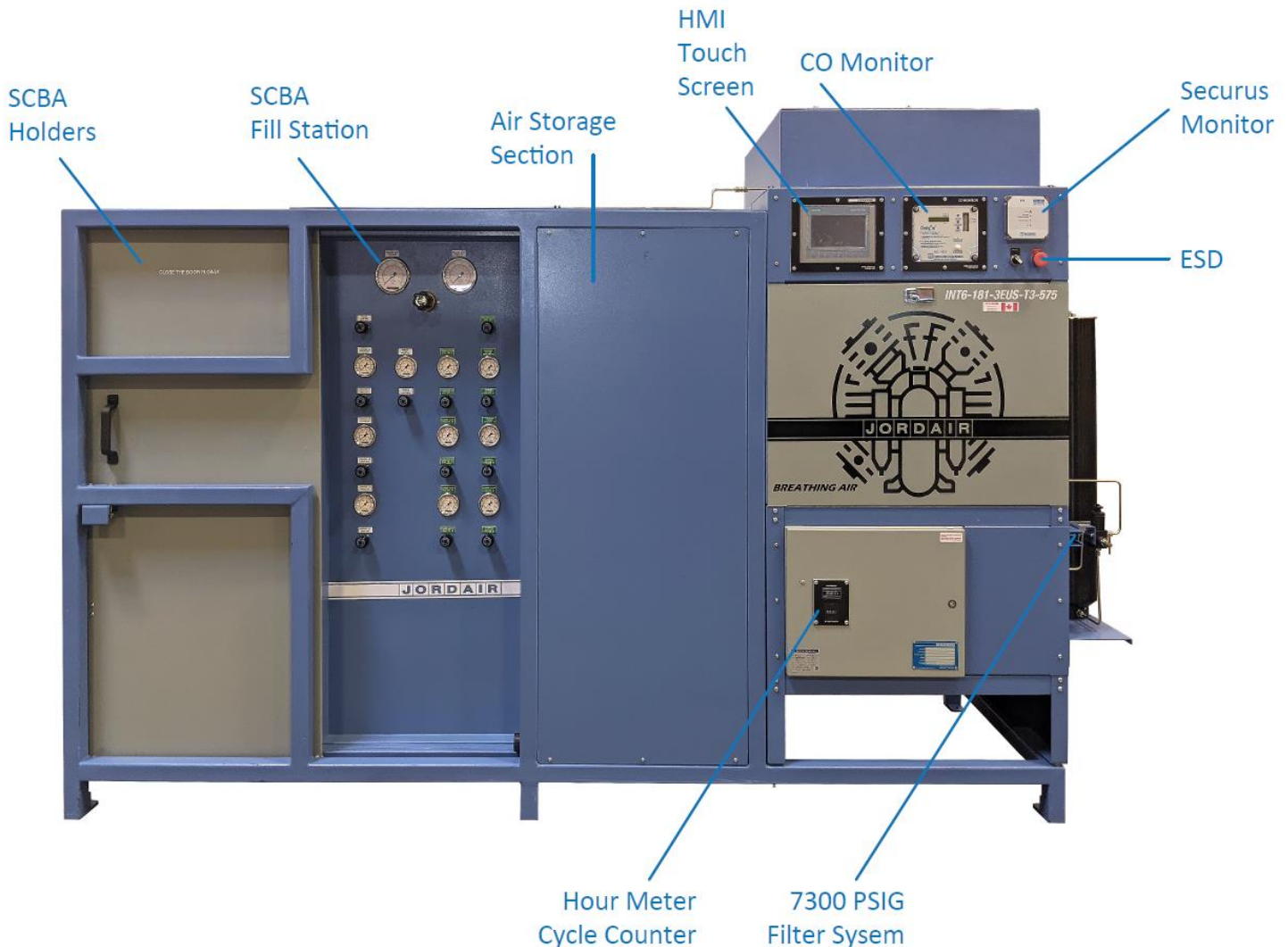


INTEGRA™ SERIES COMPRESSOR SYSTEMS



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

Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

System Features:

- Balanced Design
- Low Noise
- 35 Year Filter Chambers
- Extended Cartridge Life

Block Features:

- Low Oil Consumption
- Oil Filter Cartridge
- High Tech HP Piston
- Heavy Duty Crank

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-Z180.1-19

All INTEGRA compressor systems come standard with a D series sliding-door fill station and either TC or ASME air storage cylinders, all mounted on a common base

SCOPE OF SUPPLY AND OPTIONS

- Fully enclosed and silent frame design for a 72 D.b.a sound level at 1 meter
- Includes an auxiliary fan which increases block cooling by 150% more than the block mounted fan
- Increased cooling ensures the filtered air is at a maximum of 3C above ambient and provides the most efficient and longest cartridge life with high air purity
- Logo 8 PLC with panel mounted 5" x 8" TP700 HMI screen showing the operating data and compressor fault data
- Panel mounted CO monitor and Securus Moisture Monitor
- Low oil pressure transmitter and alarm and screen display of the fault and actual operating data
- High temperature transmitter with alarm and screen display of the fault and actual operating data
- Final pressure transmitter set for customers required shut down pressure
- Final pressure displayed on the HMI screen
- Auto-run and manual mode operation with emergency shut down button
- Optional connection to the customer and service technicians cell phone
- Inter-stage and oil pressure gauges are mounted on the block and visible at the back side of the compressor
- Nationally certified CRN registered 7300 PSIG filter system matched to the compressor capacity
- Final separator cycle counter to ensure filter system safety and record pressure cycles
- Cycle count, hour meter, and audible alarm located on the MCC panel enclosure door
- Filter system life rated for 35 years or 100,000 pressure cycles
- Automatic condensate drain and silent collection system
- The automatic drain system unloads the compressor at shut down and ensures an unloaded compressor start cycle

6000 PSIG INTEGRA SERIES MODULAR COMPRESSOR SYSTEMS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*	WEIGHT	SIZE (IN) H x D x W
INT6-1214-1EUS-T3	16.3 SCFM	10 HP	JBP61-7300-6-S	56,500 FT ³	77" X 34" x 105.5"
INT6-1214-3EUS-T3	16.3 SCFM	10 HP	JBP61-7300-6-S	56,500 FT ³	77" X 34" x 105.5"
INT6-1214-1EUS-A3	16.3 SCFM	10 HP	JBP61-7300-6-S	56,500 FT ³	77" X 34" x 105.5"
INT6-1214-3EUS-A3	16.3 SCFM	10 HP	JBP61-7300-6-S	56,500 FT ³	77" X 34" x 105.5"
INT6-1511-3EUS-T3	23.9 SCFM	15 HP	JBP61-7300-6-S	85,450 FT ³	77" X 34" x 105.5"
INT6-1511-3EUS-A3	23.9 SCFM	15 HP	JBP61-7300-6-S	85,450 FT ³	77" X 34" x 105.5"
INT6-181-3EUS-T3	30.0 SCFM	20 HP	JBP81-7300-6-S	188,200 FT ³	77" X 34" x 121.5"
INT6-181-3EUS-A3	30.0 SCFM	20 HP	JBP81-7300-6-S	188,200 FT ³	77" X 34" x 121.5"

All 6100 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 6500 PSIG relief valve.

7000 PSIG INTEGRA SERIES MODULAR COMPRESSOR SYSTEMS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*	WEIGHT	SIZE (CM) H x D x W
INT7-1511-3EUS-A3	23.9 SCFM	15 HP	JBP61-7300-6-S	85,450 FT ³	77" X 34" x 105.5"
INT7-181-3EUS-A3	30.0 SCFM	20 HP	JBP81-7300-6-S	188,200 FT ³	77" X 34" x 121.5"

All 7000 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 7000 PSIG relief valve.

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

STANDARD FILL STATION AND STORAGE

J-FFS-D3	Fill Station, 3 bottles, with cascade valves - Supplied on INTEGRA 1214 models
J-FFS-D4	Fill Station, 4 bottles, with cascade valves - Supplied on INTEGRA 1511 models
J-FFS-D6	Fill Station, 6 bottles, with cascade valves - Supplied on INTEGRA 181 models
J-CYL-TC-6000-3	Air Storage, 3 TC/DOT cylinders, 6000 PSIG - Supplied on INTEGRA 6000 PSIG models
J-CYL-ASME-7000-3	Air Storage, 3 ASME cylinders, 7000 PSIG - Supplied on INTEGRA 7000 & 6000 PSIG models

COMPRESSOR & FILL STATION UPGRADE OPTIONS

COMPRESSOR FRAME COLOUR:

J-PCU	Change compressor frame powder coating colour
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CO MONITOR:

J-CALKIT-4021	CO Monitor Calibration Kit
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COMPRESSOR FILTRATION SYSTEM:

JBF-7300-6-32-A	Add 1 x JBF-7300-6-32 filter chamber
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FILL PRESSURES AND FILL HOSES:

J-FSFP-1-2	1 Additional Fill Hose at 2216 PSIG SCBA - For D & DF Fill Stations
J-FSFP-1-3	1 Additional Fill Hose at 3000 PSIG SCUBA - For D & DF Fill Stations
J-FSFP-1-4	1 Additional Fill Hose at 4500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-1-5	1 Additional Fill Hose at 5500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-2-2	2 Additional Fill Hoses at 2216 PSIG SCBA - For D & DF Fill Stations
J-FSFP-2-3	2 Additional Fill Hoses at 3000 PSIG SCUBA - For D & DF Fill Stations
J-FSFP-2-4	2 Additional Fill Hoses at 4500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-2-5	2 Additional Fill Hoses at 5500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-3-2	3 Additional Fill Hoses at 2216 PSIG SCBA - For D & DF Fill Stations
J-FSFP-3-3	3 Additional Fill Hoses at 3000 PSIG SCUBA - For D & DF Fill Stations
J-FSFP-3-4	3 Additional Fill Hoses at 4500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-3-5	3 Additional Fill Hoses at 5500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-4-2	4 Additional Fill Hoses at 2216 PSIG SCBA - For D & DF Fill Stations
J-FSFP-4-3	4 Additional Fill Hoses at 3000 PSIG SCUBA - For D & DF Fill Stations
J-FSFP-4-4	4 Additional Fill Hoses at 4500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-4-5	4 Additional Fill Hoses at 5500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-6-2	6 Additional Fill Hoses at 2216 PSIG SCBA - For D & DF Fill Stations
J-FSFP-6-3	6 Additional Fill Hoses at 3000 PSIG SCUBA - For D & DF Fill Stations
J-FSFP-6-4	6 Additional Fill Hoses at 4500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-6-5	6 Additional Fill Hoses at 5500 PSIG SCBA - For D & DF Fill Stations
J-FSFP-IV-K	Isolation Valve Kit for adding an additional fill pressure to fill station
J-FSEFP-S	Storage Bank Isolation with valve and gauge
J-FSASP-5	Air Sample Connection on Fill Station

LOCKED REGULAOTRS:

J-FFS-LP-140	Locked regulator set at 140 PSIG
J-FFS-HP-2216	Locked regulator set at 2216 PSIG
J-FFS-HP-3000	Locked regulator set at 3000 PSIG
J-FFS-HP-4500	Locked regulator set at 4500 PSIG
J-FFS-HP-5500	Locked regulator set at 3000 PSIG

FILL STATION & STORAGE SYSTEM:

J-6000-CSP-3	Auto Cascade / Sequencing Panel - 3 Bank
J-6000-CSP-4	Auto Cascade / Sequencing Panel - 4 Bank
J-CYL-TC-6000-1A	Add 1 x 6000 PSIG TC Cylinder & Manifold
J-CYL-ASME-7000-1A	Add 1 x 7000 PSIG ASME Cylinder, Manifold, Gauge, Valve & PRV
Note: Can add up to 3 additional storage cylinders	
J-PRV-2-6500-4	Add Pressure Relief Valve - Set at 6500 PSI - For 4 bank system
J-FFS-4C-U	Upgrade from 3 bank cascade to 4 bank

ELECTRONIC MONITORS

Securus Cartridge Moisture Monitor



The Securus filter cartridge and monitor ensures optimal filter cartridge life and the highest degree of safety. The overall cartridge life for removal of water, oil and other contaminants is primarily based on temperature at 20°C. A rise in ambient and filter air temperature will reduce cartridge life. The Securus filter cartridge monitor removes the guess work and ensures consistent air quality to the current CSA Z180.1-13 breathing air standard. The monitor's green light verifies the correct cartridge is installed and the CSA air standard is being met. The yellow light advises the cartridge is due for change and the red light confirms it is depleted and shuts down the compressor.

CO Monitor



CSA standard Z180.1-13 requires breathing air compressors to have a CO monitoring system. All FIRE-KAT series compressors are supplied with a CO monitor as a standard feature. The monitor is self-calibrating when attached to the calibration test kit. The CO monitor ensures the breathing air is within the CSA limits and will shut down the compressor if the CO exceeds 600 PPM. Panel mounted CO monitors are available for existing compressors systems. Please add the calibration kit to the order when ordering a new compressor system.

eWON Flexy Fault Data Transmitter



The FLEXY data transmitter model provides direct access to the compressor and advises when a fault occurs. The transmitter will interface to a smart phone or to a computer system. In the event of a compressor fault and shutdown the data will be transmitted to Jordair, the customer, and the service group for the system. This assists the compressor operator to have immediate knowledge in the event a fault occurs and the shortest response time to resolve the issue.

TECHNICAL DATA

CAPACITY CALCULATIONS

Compressor Flow Rate, or “Charge Rate”, is based on filling a 88 cubic (ft³) SCBA cylinder from the alarm set point of 1550 PSIG to 4500 PSIG

Note: Technical specifications are subject to change without notice

FILTRATION SYSTEM DESCRIPTION

JBP61-7300-6-S Consists of 1 x JS-7300-A-1008 Separator & 1 x JBF-7300-6-32-S (60037, 33" Tower)

JBP81-7300-6-S Consists of 1 x JS-7300-A-1008 Separator & 2 x JBF-7300-6-32-S (60037, 58825, 33" Towers)

Note: All standard filtration systems use the FC-1008-SE separator element

ORDERING INFORMATION

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

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

Standard is 60 Hz, 50 Hz is available with corresponding voltage changes

When placing an order, add the voltage at the end of the model number (e.g. INT5-100-1E-230V)

Weights and Sizes are approximations and are subject to change without notice. For exact weights and dimensions please consult a Jordair representative.

COMPRESSOR SERVICE PARTS LISTS

Note: The following service parts list are for the default model of compressor, models with any changes or upgrades to the filtration system will differ. Consult your compressors original Test Report in the manual to find your systems service parts.

IK1214 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25950
1	Securus Filter Cartridge	60037
1	Separator Element	FC-1008-SE
4	Filter/Separator O-Ring	J-OR-2-334
4	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 3 Litres	J-C751

IK1511 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25886
1	Securus Filter Cartridge	60037
1	Separator Element	FC-1008-SE
4	Filter/Separator O-Ring	J-OR-2-334
4	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 5 Litres	J-C751

IK181 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25886
1	Drying Cartridge	58825
1	Securus Filter Cartridge	60037
1	Separator Element	FC-1008-SE
6	Filter/Separator O-Ring	J-OR-2-334
6	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 5 Litres	J-C751

Note: the service kits are supplied with O-rings and backup rings for the filter and separator top and base caps. Jordair recommends changing both during service as well as inspecting the barrels from both sides for any damage or deterioration. It also provides the opportunity to ensure all threads are in good condition and lubricated.

COMPRESSOR BLOCK TECHNICAL DATA

6100 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	kW	
IK1214	1490 RPM	16.53SCFM	4	10.0	6.7	6100 PSIG
IK1511	1300 RPM	23.9 SCFM	4	15.0	11.8	6100 PSIG
IK181	1500 RPM	30.0 SCFM	5	20.0	14.1	6100 PSIG

7300 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	kW	
IK1511	1400	23.9 SCFM	4	15.0	10.6	7300 PSIG
IK181	1500	30.0 SCFM	5	20.0	13.6	7300 PSIG

BAUER COMPRESSOR BLOCK FEATURES

- 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.

IK1214



IK1511



IK181



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