

FILTRATION SYSTEMS



Jordair QC Program

- ISO 9001:2008 Cert. 97-544
- CSA Cert. No. LR77799
- B&PV Licence MA-2007

Filter Design Features:

- Lifetime Filter Chambers
- Corrosion Protected

Cartridge Features:

- Sealed Cartridges
- Oil, CO, H₂O Cartridge
- Extended Cartridge Life

Jordair breathing compressors and air filter systems meet or exceed the latest CSA standard CAN/CSA-Z180.1-00 (approved January 2001).

Models with a “-S” include the Bauer Securus moisture control monitor

5000 PSIG FILTRATION STANDARD SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	PROCESS CAPACITY	WEIGHT	SIZE (CM) H x W x D
JBP11-6300-4-5	5500 PSIG	15 SCFM	16,400 FT ³	40 KG	90 x 90 x 20
JBP41-6300-4-5	5500 PSIG	20 SCFM	42,100 FT ³	60 KG	90 x 90 x 20
JBP41-6300-4-5-S	5500 PSIG	20 SCFM	47,600 FT ³	60 KG	90 x 90 x 20
JBP51-6300-4-5	5500 PSIG	40 SCFM	84,200 FT ³	80 KG	110 x 90 x 20
JBP51-6300-4-5-S	5500 PSIG	40 SCFM	89,700 FT ³	80 KG	110 x 90 x 20
JBP61-6300-4-5	5500 PSIG	30 SCFM	65,600 FT ³	70 KG	110 x 90 x 20
JBP61-6300-4-5-S	5500 PSIG	30 SCFM	79,000 FT ³	70 KG	110 x 90 x 20
JBP81-6300-4-5	5500 PSIG	50 SCFM	131,200 FT ³	85 KG	110 x 110 x 20
JBP81-6300-4-5-S	5500 PSIG	50 SCFM	144,600 FT ³	85 KG	110 x 110 x 20
JBP91-6300-4-5	5500 PSIG	60 SCFM	196,800 FT ³	100 KG	110 x 138 x 20
JBP91-6300-4-5-S	5500 PSIG	60 SCFM	210,200 FT ³	100 KG	110 x 138 x 20
JBP101-6300-4-5	5500 PSIG	80 SCFM	262,400 FT ³	115 KG	110 x 138 x 20
JBP101-6300-4-5-S	5500 PSIG	80 SCFM	275,800 FT ³	115 KG	110 x 138 x 20

5000 PSIG JUMBO FILTRATION SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	PROCESS CAPACITY	WEIGHT	SIZE (CM) H x W x D
JP121-5000-7	5500 PSIG	150 SCFM	255,000 FT ³	180 KG	130 x 110 x 25
JP121-5000-7-S	5500 PSIG	150 SCFM	425,000 FT ³	180 KG	130 x 110 x 25
JP141-5000-7	5500 PSIG	150 SCFM	390,000 FT ³	180 KG	130 x 110 x 25
JP141-5000-7S	5500 PSIG	150 SCFM	650,000 FT ³	180 KG	130 x 110 x 25

6300 PSIG STANDARD FILTRATION SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	PROCESS CAPACITY	WEIGHT	SIZE (CM) H x W x D
JBP11-6300-4-6	6500 PSIG	15 SCFM	16,400 FT ³	40 KG	90 x 90 x 20
JBP41-6300-4-6	6500 PSIG	20 SCFM	42,100 FT ³	60 KG	90 x 90 x 20
JBP41-6300-4-6-S	6500 PSIG	20 SCFM	47,600 FT ³	60 KG	90 x 90 x 20
JBP51-6300-4-6	6500 PSIG	40 SCFM	84,200 FT ³	80 KG	110 x 90 x 20
JBP51-6300-4-6-S	6500 PSIG	40 SCFM	89,700 FT ³	80 KG	110 x 90 x 20
JBP61-6300-4-6	6500 PSIG	30 SCFM	65,600 FT ³	70 KG	110 x 90 x 20
JBP61-6300-4-6-S	6500 PSIG	30 SCFM	79,000 FT ³	70 KG	110 x 90 x 20
JBP81-6300-4-6	6500 PSIG	50 SCFM	131,200 FT ³	85 KG	110 x 110 x 20
JBP81-6300-4-6-S	6500 PSIG	50 SCFM	144,600 FT ³	85 KG	110 x 110 x 20
JBP91-6300-4-6	6500 PSIG	60 SCFM	196,800 FT ³	100 KG	110 x 138 x 20
JBP91-6300-4-6-S	6500 PSIG	60 SCFM	210,200 FT ³	100 KG	110 x 138 x 20
JBP101-6300-4-6	6500 PSIG	80 SCFM	262,400 FT ³	115 KG	110 x 138 x 20
JBP101-6300-4-6-S	6500 PSIG	80 SCFM	275,800 FT ³	115 KG	110 x 138 x 20

7200 PSIG STANDARD FILTRATION SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	PROCESS CAPACITY	WEIGHT	SIZE (CM) H x W x D
JBP11-7200-5-7	7200 PSIG	15 SCFM	16,400 FT ³	40 KG	90 x 90 x 20
JBP41-7200-5-7	7200 PSIG	20 SCFM	42,100 FT ³	60 KG	90 x 90 x 20
JBP41-7200-5-7-S	7200 PSIG	20 SCFM	47,600 FT ³	60 KG	90 x 90 x 20
JBP61-7200-5-7	7200 PSIG	40 SCFM	65,600 FT ³	80 KG	110 x 90 x 20
JBP61-7200-5-7-S	7200 PSIG	40 SCFM	79,000 FT ³	80 KG	110 x 90 x 20
JBP81-7200-5-7	7200 PSIG	30 SCFM	131,200 FT ³	70 KG	110 x 90 x 20
JBP81-7200-5-7-S	7200 PSIG	30 SCFM	144,600 FT ³	70 KG	110 x 90 x 20
JBP91-7200-5-7	7200 PSIG	50 SCFM	196,800 FT ³	85 KG	110 x 110 x 20
JBP91-7200-5-7-S	7200 PSIG	50 SCFM	210,200 FT ³	85 KG	110 x 110 x 20

STANDARD FEATURES

- A formed steel panel mounted filter system with 2 ½ dual scale gauges to monitor pressure.
- CRN certified final oil/moisture separator with high efficiency coalescing element
- The Jordair CRN certified oil and water separator are produced from A.S.M.E. grade 6061 T6 material and hard anodized to ensure corrosion protection and a 25 year lifetime service.
- CRN certified safety relief valve mounted on the separator
- CRN certified check valve after the final separator stops back flow through the filter.
- The Jordair CRN certified oil purifiers are produced from high strength 7075 T6 material and hard anodized to ensure corrosion protection and a 25 year lifetime service.
- CRN certified pressure maintaining valve set at 2,800 psig to maintain pressure in the filter and optimize the filter cartridge life.
- The complete purification system is CSA certified under the Jordair certificate number LR77799.
- The breathing air quality meets/exceeds the current CSA standard CAN3-Z180.1-00.
- Jordair chamber accept Bauer standard and Securus cartridges as well as the “JB” class of Jordair cartridges.
- When adding a Securus system, the purification model has “S” added to it and the drying and purifying capacity increases by 85% due to the dew-point monitoring of the cartridge.

FILTRATION UPGRADE OPTIONS

- CRN certified Automatic Condensate Drain System to drain accumulating compression liquids during compressor operation and at shut down.
- Condensate drain collection tank to contain the compression liquids for disposal.
- Soda-sorb cartridges are available for use in areas where a high level of ambient CO2 is present.

SECURUS MOISTURE MONITORS

N15094	Bauer Securus Moisture Monitor - 240 VAC, 60Hz
N15095	Bauer Securus Moisture Monitor - 120 VAC, 60Hz
N15096	Bauer Securus Moisture Monitor - 12-24 VDC
N27286	B-Timer - P21, P31, JBP41 Cartridges

CYCLE COUNTERS FOR SEPARATOR - NON RESETABLE

N19093	Cycle Counter for separator - 240 VAC
N19094	Cycle Counter for separator - 230 VAC
N19095	Cycle Counter for separator - 110 VAC
N19096	Cycle Counter for separator - 24 VDC
N19097	Cycle Counter for separator - 12 VDC

FILTER CHAMBER CAP REMOVAL TOOLS

J-FW-P-SOCKET	Chamber Wrench - Socket Type
----------------------	------------------------------

SEPARATOR ASSEMBLIES AND FITTINGS KITS

6300 PSIG SEPARATOR ASSEMBLIES

JS-6000-A-708-15	Separator - 15 SCFM, 6300 PSI, c/w 708-SE element
JS-6000-A-61860-15	Separator - 15 SCFM, 6300 PSI, c/w 61860 element
JS-6400-A-1008	Separator - 60 SCFM, 6400 PSI, c/w 1008-SE element
JS-6400-A-61860	Separator - 60 SCFM, 6400 PSI, c/w 61860 element

7200 PSIG SEPARATOR ASSEMBLIES

JS-7200-S-1008	Separator - 60 SCFM, 7200 PSIG, c/w 1008-SE element
JS-7200-S-61860	Separator - 60 SCFM, 7200 PSIG, c/w 61860 element

J-SEP-PRV-KIT-1	Pressure Relief Valve and fitting for Separator - Set at 6500 PSI
J-SEP-PRV-KIT-2	Pressure Relief Valve and fitting for Separator - Set at 5000 PSI or less
J-SEP-FITTINGS-KIT-1	Fittings Kit for Separator - 1/4" Tube for Inlet and Outlet, 1/4" Tube for Drain
J-SEP-FITTINGS-KIT-2	Fittings Kit for Separator - 3/8" Tube for Inlet and Outlet, 1/4" Tube for Drain

Notes:

- JS-6000 and JS-6400 Separators are aluminum alloy and are rated for 25,000 cycles or 15 years
- All other separators are nickel plated steel and are rated for 100,000 cycles

BARE FILTER CHAMBERS

1100 PSIG FILTER CHAMBER

JBF-1100-6.5-33 Filter Chamber - 1100 PSIG, 33" Barrel

6300 PSIG FILTER CHAMBERS

JBF-6300-4-16 Filter Chamber - 6300 PSIG, 16" Barrel

JBF-6300-4-22 Filter Chamber - 6300 PSIG, 22" Barrel

JBF-6300-4-22-S Filter Chamber - 6300 PSIG, 22" Barrel, Securus Cap

JBF-6300-4-32 Filter Chamber - 6300 PSIG, 32" Barrel

JBF-6300-4-32-S Filter Chamber - 6300 PSIG, 32" Barrel, Securus Cap

J-JBF-FITTINGS-KIT-1 Fittings Kit for 1 x JBF Filter Chamber - 1/4" Tube for Inlet and Outlet

J-JBF-FITTINGS-KIT-2 Fittings Kit for 1 x JBF Filter Chamber - 3/8" Tube for Inlet and Outlet

J-JBF-FITTINGS-KIT-3 Fittings Kit for 1 x JBF Filter Chamber - 1/2" Tube for Inlet and Outlet

5000 PSIG FILTER CHAMBERS

JBF-5000-7.5-36 Filter Chamber - 5000 PSIG, 36" Barrel

J-JBF-FITTINGS-KIT-3 Fittings Kit for 1 x JBF Filter Chamber - 1/2" Tube for Inlet and Outlet

7200 PSIG FILTER CHAMBERS

JBF-7200-5-16 Filter Chamber - 7200 PSIG, 16" Barrel

JBF-7200-5-22 Filter Chamber - 7200 PSIG, 22" Barrel

JBF-7200-5-22-S Filter Chamber - 7200 PSIG, 22" Barrel, Securus Cap

JBF-7200-5-32 Filter Chamber - 7200 PSIG, 32" Barrel

JBF-7200-5-32-S Filter Chamber - 7200 PSIG, 32" Barrel, Securus Cap

J-JBF-FITTINGS-KIT-1 Fittings Kit for 1 x JBF Filter Chamber - 1/4" Tube for Inlet and Outlet

J-JBF-FITTINGS-KIT-2 Fittings Kit for 1 x JBF Filter Chamber - 3/8" Tube for Inlet and Outlet

BAUER P21 & P31 FILTER SYSTEMS WITH BAUER FILTER CARTRIDGE

76825 Bauer P21 Filter System with Triplex Cartridge - 2,750 ft³

79873 Bauer P31 Filter System with Triplex Cartridge - 13,100 ft³

Important Filter Information:

All cartridge life is based on the process air temperature of 20 degrees Celsius and a pressure of 4300 PSIG. A 10 degree increase in temperature will reduce the cartridge capacity by 50%.

Securus filter cartridges can be changed annually or at capacity - whichever comes first. For safety reasons, non Securus filter cartridges must adopt the 6 month change time, or at capacity - whichever comes first

PURIFICATION CARTRIDGES AND SEPARATOR ELEMENTS

BAUER PURIFICATION CARTRIDGES

58821	Cartridge, Bauer, For 16" Chamber, Purifying & CO
62504	Cartridge, Bauer, For 22" Chamber, Drying
62565	Cartridge, Bauer, For 22" Chamber, Drying & Oil
67224	Cartridge, Bauer, For 22" Chamber, Purifying & CO
61687	Cartridge, Bauer, For 22" Chamber, Purifying & CO, Securus
58825	Cartridge, Bauer, For 32" Chamber, Drying
58826	Cartridge, Bauer, For 32" Chamber, Drying & Oil
58827	Cartridge, Bauer, For 32" Chamber, Purifying & CO
60037	Cartridge, Bauer, For 32" Chamber, Purifying, Securus
59183	Cartridge, Bauer, For P21 System, Purifying
57679	Cartridge, Bauer, For P21 System, Purifying & CO
80114	Cartridge, Bauer, For P31 System, Purifying & CO
67099	Cartridge, Bauer, Jumbo, For P121 System, Drying
67097	Cartridge, Bauer, Jumbo, For P121 System, Purifying, Securus
67812	Cartridge, Bauer, Super Jumbo, For P141 System, Drying
67867	Cartridge, Bauer, Super Jumbo, For P141 System, Drying & Oil
N15052	ELM-54 Filter Kit

SEPARATOR REPLACEMENT ELEMENTS

J-SEP-ADAPTER	Separator Adapter - Helical and Cintered Elements
J-61860	Separator, Cintered Element - For JS-6000/6400-618
61858	Cintered Element for Separator - Stainless Steel
61859	Cintered Element for Separator - Stainless Steel
FC-708-SE	Separator Element - For JS-6000-A-708-15
FC-1008-SE	Separator Element - For JS-6400-A-108
FC-308-SE	Separator Element - For Helium and Nitrogen compressors
FC-308-AD	Absorber Element - For Helium and Nitrogen compressors
FCQX-26-8.5	High purity, high capacity separator element

JORDAIR CO, CO₂, DRYING & PURIFICATION CARTRIDGES

FC-1007-SS	Cartridge, Jordair, For 16" Chamber, Purifying & CO
FC-1007-TS	Cartridge, Jordair, For 16" Chamber, Purifying & CO
FC-1007-MAKO	Cartridge, Jordair, For 16" Chamber, Purifying & CO
FC-1504-JB	Cartridge, Jordair, For 16" Chamber, Drying
FC-1507-JB	Cartridge, Jordair, For 16" Chamber, Purifying & CO
FC-1507-NS	Cartridge, Jordair, For 16" Chamber, Purifying & CO
FC-1508-JB	Cartridge, Jordair, For 16" Chamber, Sodasorb - CO ₂
FC-1509-JB	Cartridge, Jordair, For 16" Chamber, Carbon

FC-2004-SS	Cartridge, Jordair, For 22" Chamber, Drying
FC-2004-TS	Cartridge, Jordair, For 22" Chamber, Drying
FC-2007-SS	Cartridge, Jordair, For 22" Chamber, Purifying & CO
FC-2007-TS	Cartridge, Jordair, For 22" Chamber, Purifying & CO
FC-2504-JB	Cartridge, Jordair, For 22" Chamber, Drying
FC-2504-NS	Cartridge, Jordair, For 22" Chamber, Drying
FC-2507-JB	Cartridge, Jordair, For 22" Chamber, Purifying & CO
FC-2507-NS	Cartridge, Jordair, For 22" Chamber, Purifying & CO
FC-2508-JB	Cartridge, Jordair, For 22" Chamber, Sodasorb - CO2
FC-2509-JB	Cartridge, Jordair, For 22" Chamber, Carbon

FC-3004-SS	Cartridge, Jordair, For 32" Chamber, Drying
FC-3004-TS	Cartridge, Jordair, For 32" Chamber, Drying
FC-3007-SS	Cartridge, Jordair, For 32" Chamber, Purifying & CO
FC-3007-TS	Cartridge, Jordair, For 32" Chamber, Purifying & CO
FC-3504-JB	Cartridge, Jordair, For 32" Chamber, Drying
FC-3504-NS	Cartridge, Jordair, For 32" Chamber, Drying
FC-3507-JB	Cartridge, Jordair, For 32" Chamber, Purifying & CO
FC-3507-NS	Cartridge, Jordair, For 32" Chamber, Purifying & CO
FC-3508-JB	Cartridge, Jordair, For 32" Chamber, Sodasorb - CO2
FC-3509-JB	Cartridge, Jordair, For 32" Chamber, Carbon

FTP-1804-JB	Cartridge, Jordair, Jumbo, For 16" Chamber, Drying
FTP-1807-JB	Cartridge, Jordair, Jumbo, For 16" Chamber, Purifying & CO
FTP-1809-JB	Cartridge, Jordair, Jumbo, For 16" Chamber, Carbon

FTP-2804-JB	Cartridge, Jordair, Jumbo, For 22" Chamber, Drying
FTP-2807-JB	Cartridge, Jordair, Jumbo, For 22" Chamber, Purifying & CO
FTP-2809-JB	Cartridge, Jordair, Jumbo, For 22" Chamber, Carbon

FTP-3804-JB	Cartridge, Jordair, Jumbo, For 32" Chamber, Drying
FTP-3807-JB	Cartridge, Jordair, Jumbo, For 32" Chamber, Purifying & CO
FTP-3808-JB	Cartridge, Jordair, Jumbo, For 32" Chamber, Sodasorb - CO2
FTP-3809-JB	Cartridge, Jordair, Jumbo, For 32" Chamber, Carbon

SECCANT HEATLESS REGENERATIVE DRYER SYSTEMS



Jordair QC Program

- ISO 9001:2008 Cert. 97-544
- CSA Cert. No. LR77799
- B&PV Licence MA-2007

Filter Design Features:

- Lifetime Filter Chambers
- Two Year Cartridge Life
- Corrosion Protected

Cartridge Features:

- Jumbo Cartridges
- Oil, CO, H₂O Cartridge
- Extended Cartridge Life

BAUER SECCANT - TWIN TOWER DRYING FILTER SYSTEMS WITH CARTRIDGE

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	WEIGHT	SIZE (CM) H x W x D
SECCANT IIIA-5	5000 PSIG	55 SCFM	180 KG	130 x 141 x 25
SECCANT IIIA-6	6000 PSIG	55 SCFM	200 KG	130 x 141 x 25
SECCANT IVA-5	5000 PSIG	125 SCFM	400 KG	130 x 141 x 25
SECCANT IVA-6	6000 PSIG	125 SCFM	450 KG	130 x 141 x 25

BAUER INDUSTRIAL SECCANT - TWIN TOWER DRYING FILTER SYSTEMS WITH CARTRIDGE

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	WEIGHT	SIZE (CM) H x W x D
SECCANT III-5	5000 PSIG	55 SCFM	150 KG	130 x 141 x 25
SECCANT III-6	6000 PSIG	55 SCFM	170 KG	130 x 141 x 25
SECCANT IV-5	5000 PSIG	125 SCFM	320 KG	130 x 141 x 25
SECCANT IV-6	6000 PSIG	125 SCFM	380 KG	130 x 141 x 25

STANDARD FEATURES

- A formed panel mounted filter system with 2 ½" dual scale gauges to monitors pressure.
- CRN certified final oil moisture separator with high efficiency coalescing element
- The Bauer CRN certified oil and water separator and the purifiers are produced from A.S.M.E. A106 steel material and nickel plating ensures corrosion protection and lifetime service.
- CRN certified safety relief valve mounted on the separator
- CRN certified check valve mounted on the separator
- CRN certified pressure maintaining valve set at 2,800 PSIG to maintain pressure in the filter and optimize the filter cartridge life.
- The complete purification system is CSA certified under the Jordair certificate number LR77799.
- The breathing air quality meets/exceeds the current CSA standard CAN3-Z180.1-00.
- The dual tower cartridges have a minimum life of two years of continuous operation.
- Bauer technology valves provide a long efficient service life with low maintenance.
- Regeneration cycle requires a low 5% of the air flow for efficient desiccant bed regeneration.

SECCANT UPGRADE OPTIONS

- CRN certified Automatic Condensate Drain System to drain accumulating compression liquids during compressor operation and at shut down.
- Condensate drain collection tank to contain the compression liquids for disposal.
- Soda-sorb cartridges are available for use in areas where a high level of ambient CO2 is present.

BAUER SECCANT PURIFICATION CARTRIDGES

N15220	Particulate Filter - SECCANT 3 & 4
67868	Drying Cartridge - SECCANT 4
90308	Purifying Cartridge - SECCANT 4
60350	Drying Cartridge - SECCANT 3
74904	Purifying Cartridge - SECCANT 3

REFRIGERATION DRYERS AND CO2 ADSORBERS RATED TO 6000 PSIG AND UP TO 35 SCFM

AIR-KOOL-350	Refrigeration Dryer - Up to 35 SCFM and 5000 PSIG
AIR-KOOL-450	Refrigeration Dryer - Up to 35 SCFM and 6000 PSIG
*B-KOOL-680S-350	Refrigeration Dryer - Up to 35 SCFM and 5000 PSIG
*B-KOOL-500S-350	Refrigeration Dryer - Up to 35 SCFM and 6000 PSIG
AEROGUARD-XXL	Inlet CO2 Scrubber - up to 35 SCFM
79050	Replacement Cartridge, for AEROGUARD
N 25536	Air Testing System - AIRLAB 111
N15519	Test Tube - Set for H2S
N15520	Test Tube - Set for H2O
N15521	Test Tube - Set for Oil
N15522	Test Tube - Set for CO2
N15523	Test Tube - Set for CO
N15526	Test Tube - Set for SO2

* When ordering a B-Kool Dryer, at the end of the part number add -1 for 100-127 VAC/60Hz, -2 for 100-127 VAC/50Hz or -3 for 200-240 VAC/60Hz