

## JORDAIR FILTRATION SYSTEMS



### Jordair QC Program

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

### Filter Design Features:

- Lifetime Filter Chambers
- Corrosion Protected

### Cartridge Features:

- Sealed Cartridges
- Oil, CO, H<sub>2</sub>O Cartridge
- Extended Cartridge Life

**Jordair breathing compressors and air filter systems meet or exceed the latest CSA standard CAN/CSA-Z180.1-19**

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

## BREATHING AIR FILTER SYSTEMS



### 7300 PSIG STANDARD FILTRATION SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAX FLOW	PROCESS CAPACITY	CARTRIDGES*	WEIGHT	SIZE (IN) H x W x D
JBP11-7300-6	7300 PSIG	15 SCFM	21,800 FT <sup>3</sup>	58821	88 LBS	32" x 36" x 8"
JBP41-7300-6	7300 PSIG	20 SCFM	47,600 FT <sup>3</sup>	67224	130 LBS	36" x 36" x 8"
JBP41-7300-6-S	7300 PSIG	20 SCFM	56,500 FT <sup>3</sup>	61687	130 LBS	36" x 36" x 8"
JBP51-7300-6	7300 PSIG	40 SCFM	95,200 FT <sup>3</sup>	67224, 62504	175 LBS	36" x 44" x 8"
JBP51-7300-6-S	7300 PSIG	40 SCFM	104,200 FT <sup>3</sup>	61687, 62504	175 LBS	36" x 44" x 8"
JBP61-7300-6	7300 PSIG	30 SCFM	79,000 FT <sup>3</sup>	58827	155 LBS	44" x 36" x 8"
JBP61-7300-6-S	7300 PSIG	30 SCFM	85,450 FT <sup>3</sup>	60037	155 LBS	44" x 36" x 8"
JBP81-7300-6	7300 PSIG	50 SCFM	186,000 FT <sup>3</sup>	58827, 58825	190 LBS	44" x 44" x 8"
JBP81-7300-6-S	7300 PSIG	50 SCFM	188,200 FT <sup>3</sup>	60037, 58825	190 LBS	44" x 44" x 8"
JBP91-7300-6	7300 PSIG	60 SCFM	286,000 FT <sup>3</sup>	58827, 58825 (2)	220 LBS	44" x 54" x 8"
JBP91-7300-6-S	7300 PSIG	60 SCFM	288,780 FT <sup>3</sup>	60037, 58825 (2)	220 LBS	44" x 54" x 8"
JBP101-7300-6	7300 PSIG	80 SCFM	372,000 FT <sup>3</sup>	58827, 58825 (3)	250 LBS	44" x 54" x 8"
JBP101-7300-6-S	7300 PSIG	80 SCFM	376,000 FT <sup>3</sup>	60037, 58825 (3)	250 LBS	44" x 54" x 8"

\*All Standard filtration systems use the FC-1008-SE separator element

### FILTRATION SYSTEM DESCRIPTIONS

JBP11-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 1 x JBF-7300-6-16 (Filter Only, 22" Tower)
JBP41-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 1 x JBF-7300-6-22 (Filter Only, 22" Tower)
JBP51-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 2 x JBF-7300-6-22 (1 x Dryer, 1 x Filter, 22" Towers)
JBP61-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 1 x JBF-7300-6-32 (Filter Only, 32" Tower)
JBP81-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 2 x JBF-7300-6-32 (1 x Dryer, 1 x Filter, 32" Towers)
JBP91-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 3 x JBF-7300-6-32 (2 x Dryers, 1 x Filter, 32" Towers)
JBP101-7300-6	Consists of 1 x JS-7300-A-1008 Separator & 3 x JBF-7300-6-32 (2 x Dryers, 1 x Filter, 32" Towers)

## JUMBO FILTER SYSTEMS



### 5400 & 6400 PSIG JUMBO FILTRATION SYSTEMS

FILTER SYSTEM	MAXIMUM PRESSURE	MAX FLOW	PROCESS CAPACITY	CARTRIDGES*	WEIGHT	SIZE (IN) H x W x D
<b>JP121-5400-9.5</b>	5400 PSIG	150 SCFM	353,100 FT <sup>3</sup>	67097, 67099	180 KG	51" x 33" x 10"
<b>JP141-5400-9.5</b>	5400 PSIG	150 SCFM	658,884 FT <sup>3</sup>	67097, 67099 (2)	248 KG	51" x 50" x 10"
<b>JP121-6400-9.5</b>	6400 PSIG	150 SCFM	353,100 FT <sup>3</sup>	67097, 67099	180 KG	51" x 44" x 10"
<b>JP141-6400-9.5</b>	5400 PSIG	150 SCFM	658,884 FT <sup>3</sup>	67097, 67099 (2)	248 KG	51" x 50" x 10"

\*All Jumbo filtration systems use the FC-2008-SE separator element

### JUMBO FILTRATION SYSTEM DESCRIPTIONS

<b>JP121-5400-9.5</b>	Consists of 1 x JBF-7300-6-22 Separator & 2 x JBF-6400-9.5-BRL-35 (Filter Only, 35" Jumbo Tower)
<b>JP141-5400-9.5</b>	Consists of 1 x JBF-7300-6-22 Separator & 3 x JBF-6400-9.5-BRL-35 (Filter Only, 35" Jumbo Tower)
<b>JP121-6400-9.5</b>	Consists of 1 x JBF-7300-6-22 Separator & 2 x JBF-6400-9.5-BRL-35 (Filter Only, 35" Jumbo Tower)
<b>JP141-6400-9.5</b>	Consists of 1 x JBF-7300-6-22 Separator & 3 x JBF-6400-9.5-BRL-35 (Filter Only, 35" Jumbo Tower)

## STANDARD FEATURES

- A formed steel powder coated panel mounted filter system
- Stainless steel tube and stainless steel fittings rated for 7300 PSIG
- CRN certified final oil/moisture separator with high efficiency coalescing element
- CRN certified safety relief valve mounted on the separator
- CRN certified check valve after the final separator stops back flow through the filter.
- 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-Z180.1-13.
- 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 may increase by 15% to 20% due to the dew-point monitoring of the cartridge and changing ambient temperatures.

## 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.

## SECURUS MOISTURE MONITORS

<b>N15096</b>	Bauer Securus Moisture Monitor - 12-22 VDC
<b>N27286</b>	B-Timer - P21, P31, JBP41 Cartridges

## FILTER CHAMBER CAP REMOVAL TOOLS

<b>J-FW-P-SOCKET</b>	Chamber Wrench - Socket Type
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## SEPARATOR ASSEMBLIES AND FITTINGS KITS

### 7300 PSIG SEPARATOR ASSEMBLIES

<b>JS-7300-A-1008</b>	Separator - 60 SCFM, 7300 PSI, c/w 1008-SE element
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<b>J-SEP-FITTINGS-KIT-1</b>	Fittings Kit for Separator - 1/4" Tube for Inlet and Outlet, 1/4" Tube for Drain
<b>J-SEP-FITTINGS-KIT-2</b>	Fittings Kit for Separator - 3/8" Tube for Inlet and Outlet, 1/4" Tube for Drain

## BARE FILTER CHAMBERS

### 1100 & 6400 PSIG FILTER CHAMBER

<b>JBF-1100-6.5-33</b>	Jumbo Filter Chamber - 1100 PSIG, 33" Barrel
<b>JBF-6400-9.5-BRL-35</b>	Jumbo Filter Chamber - 6400 PSIG, 35" Barrel

### 7300 PSIG FILTER CHAMBERS

<b>JBF-7300-6-16</b>	Filter Chamber - 7300 PSIG, 16" Barrel
<b>JBF-7300-6-22</b>	Filter Chamber - 7300 PSIG, 22" Barrel
<b>JBF-7300-6-22-S</b>	Filter Chamber - 7300 PSIG, 22" Barrel, Securus Cap
<b>JBF-7300-6-32</b>	Filter Chamber - 7300 PSIG, 32" Barrel
<b>JBF-7300-6-32-S</b>	Filter Chamber - 7300 PSIG, 32" Barrel, Securus Cap
<b>J-JBF-FITTINGS-KIT-1</b>	Fittings Kit for 1 x JBF Filter Chamber - 1/4" Tube for Inlet and Outlet
<b>J-JBF-FITTINGS-KIT-2</b>	Fittings Kit for 1 x JBF Filter Chamber - 3/8" Tube for Inlet and Outlet
<b>J-JBF-FITTINGS-KIT-3</b>	Fittings Kit for 1 x JBF Filter Chamber - 1/2" Tube for Inlet and Outlet

### BAUER P21 & P31 FILTER SYSTEMS WITH BAUER FILTER CARTRIDGE

<b>76825</b>	Bauer P21 Filter System with Triplex Cartridge - 2,750 ft <sup>3</sup>
<b>79873</b>	Bauer P31 Filter System with Triplex Cartridge - 13,100 ft <sup>3</sup>

#### 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%.

A Securus moisture monitor will increase cartridge capacity as it accounts for ambient temperature changes.

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.

Jordair produces high capacity separators for large flow application for biogas, natural gas, air and rare gases. Please contact the factory for information and product selection for these applications.

## PURIFICATION CARTRIDGES AND SEPARATOR ELEMENTS

### BAUER PURIFICATION CARTRIDGES

<b>58821</b>	Cartridge, Bauer, For 16" Chamber, Purifying & CO
<b>62504</b>	Cartridge, Bauer, For 22" Chamber, Drying
<b>62565</b>	Cartridge, Bauer, For 22" Chamber, Drying & Oil
<b>67224</b>	Cartridge, Bauer, For 22" Chamber, Purifying & CO
<b>61687</b>	Cartridge, Bauer, For 22" Chamber, Purifying & CO, Securus
<b>58825</b>	Cartridge, Bauer, For 32" Chamber, Drying
<b>58826</b>	Cartridge, Bauer, For 32" Chamber, for wet gases and oil removal
<b>68622</b>	Cartridge, Bauer, For 32" Chamber, for dry gases and oil removal
<b>58827</b>	Cartridge, Bauer, For 32" Chamber, Purifying & CO
<b>60037</b>	Cartridge, Bauer, For 32" Chamber, Purifying, Securus
<b>59183</b>	Cartridge, Bauer, For P21 System, Purifying
<b>57679</b>	Cartridge, Bauer, For P21 System, Purifying & CO
<b>80114</b>	Cartridge, Bauer, For P31 System, Purifying & CO
<b>67099</b>	Cartridge, Bauer, Jumbo, For P121 System, Drying
<b>67097</b>	Cartridge, Bauer, Jumbo, For P121 System, Purifying, Securus
<b>67812</b>	Cartridge, Bauer, Super Jumbo, For P141 System, Activated carbon
<b>67867</b>	Cartridge, Bauer, Super Jumbo, For P141 System, Drying & Oil
<b>90308</b>	Cartridge, Bauer, Super Jumbo, For P141 System, Drying, Oil & CO
<b>N15052</b>	ELM-54 Filter Kit

### SEPARATOR REPLACEMENT ELEMENTS

<b>J-SEP-ADAPTER</b>	Separator Adapter - Helical and Sintered Elements
<b>J-61860</b>	Separator, Sintered Element - For JS-6000/6500-618
<b>61858</b>	Sintered Element for Separator - Stainless Steel
<b>61859</b>	Sintered Element for Separator - Stainless Steel
<b>FC-708-SE</b>	Separator Element - For JS-6000-A-708-15
<b>FC-1008-SE</b>	Separator Element - For JS-7300-A-108
<b>FC-308-SE</b>	Separator Element - For Helium and Nitrogen compressors
<b>FC-308-AD</b>	Absorber Element - For Helium and Nitrogen compressors
<b>FCQX-26-8.5</b>	High purity, high capacity separator element

## 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, H<sub>2</sub>O Cartridge
- Extended Cartridge Life

**BAUER SECCANT - TWIN TOWER DRYING FILTER SYSTEMS WITH CARTRIDGE**

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	WEIGHT	SIZE (IN) H x W x D
SECCANT IIIA-5	5000 PSIG	55 SCFM	400 LBS	51" x 56" x 10"
SECCANT IIIA-6	6000 PSIG	55 SCFM	440 LBS	51" x 56" x 10"
SECCANT IVA-5	5000 PSIG	125 SCFM	880 LBS	51" x 56" x 10"
SECCANT IVA-6	6000 PSIG	125 SCFM	1000 LBS	51" x 56" x 10"

**BAUER INDUSTRIAL SECCANT - TWIN TOWER DRYING FILTER SYSTEMS WITH CARTRIDGE**

FILTER SYSTEM	MAXIMUM PRESSURE	MAXIMUM FLOW	WEIGHT	SIZE (IN) H x W x D
SECCANT III-5	5000 PSIG	55 SCFM	330 LBS	51" x 56" x 10"
SECCANT III-6	6000 PSIG	55 SCFM	375 LBS	51" x 56" x 10"
SECCANT IV-5	5000 PSIG	125 SCFM	705 LBS	51" x 56" x 10"
SECCANT IV-6	6000 PSIG	125 SCFM	840 LBS	51" x 56" x 10"

**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-Z180.1-19.
- 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.



**BAUER SECANT PURIFICATION CARTRIDGES**

<b>N15220</b>	Particulate Filter - SECCANT 3 & 4
<b>67868</b>	Drying Cartridge - SECCANT 4
<b>90308</b>	Purifying Cartridge - SECCANT 4
<b>60350</b>	Drying Cartridge - SECCANT 3
<b>74904</b>	Purifying Cartridge - SECCANT 3

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

<b>*B-KOOL-680S-350</b>	Refrigeration Dryer - Up to 35 SCFM and 5000 PSIG floor mount
<b>*B-KOOL-500S-350</b>	Refrigeration Dryer - Up to 35 SCFM and 6000 PSIG floor mount
<b>*B-KOOL-680i-350</b>	Refrigeration Dryer - Up to 35 SCFM and 5000 PSIG compressor top mount
<b>*B-KOOL-680i-500</b>	Refrigeration Dryer - Up to 35 SCFM and 6000 PSIG compressor top mount
<b>AEROGUARD-S</b>	Inlet CO2 Scrubber - 100 - 150 l/min F.A.D.
<b>AEROGUARD-M</b>	Inlet CO2 Scrubber - 160 - 230 l/min F.A.D.
<b>AEROGUARD-L</b>	Inlet CO2 Scrubber - 240 - 320 l/min F.A.D.
<b>AEROGUARD-XL</b>	Inlet CO2 Scrubber - 330 - 450 l/min F.A.D.
<b>AEROGUARD-XXL</b>	Inlet CO2 Scrubber - up to 35 SCFM
<b>79050</b>	Replacement Cartridge, for AEROGUARD
<b>N25536</b>	Air Testing System - AIRLAB 111
<b>N15519</b>	Test Tube - Set for H2S
<b>N15520</b>	Test Tube - Set for H2O
<b>N15521</b>	Test Tube - Set for Oil
<b>N15522</b>	Test Tube - Set for CO2
<b>N15523</b>	Test Tube - Set for CO
<b>N15526</b>	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 200-220 VAC/60Hz. The B-KOOL will require a 30 Amp power service when operated at 120 Volts.