



EN14594:2018

ConAer - CA100 Filter and Regulator Panel is a compressed breathing air purifier system designed to help remove or reduce selected contaminants that are found in standard compressed airlines.

1. Air Entry:

- Air entering the filtration system at the inlet may be contaminated with oil, water, dirt, rust, scale and vaporous hydrocarbons.
- Air enters the panel through the Air Inlet-On/Off Valve **(A)**. When the On/Off handle is down, airflow is restricted from entering the SAR filter assembly.

2. Single Stage Filtration:

- The Filter and Regulator Panel contains a single filter **(B)** embedded with carbon designed to remove liquid, particles and low levels of vaporous hydrocarbons.
- Liquid contaminants are trapped in the filter assembly and expelled through the drain valve **(C)**.

3. Pressure Regulator:






The air is then passed through the air pressure regulator **(D)**, which is used to adjust the air pressure going to the respirators.

- Maximum capacity of 50 cfm at 105 psi,
- Require a source of clean breathing air such as plant air systems or bottled air
- No batteries to maintain
- Cost effective respiratory protection for All-Day use

Applications

- Spray Painting
- Chemical Treatment
- Powder Handling & Mixing
- Clean Room
- Laboratory

Industries

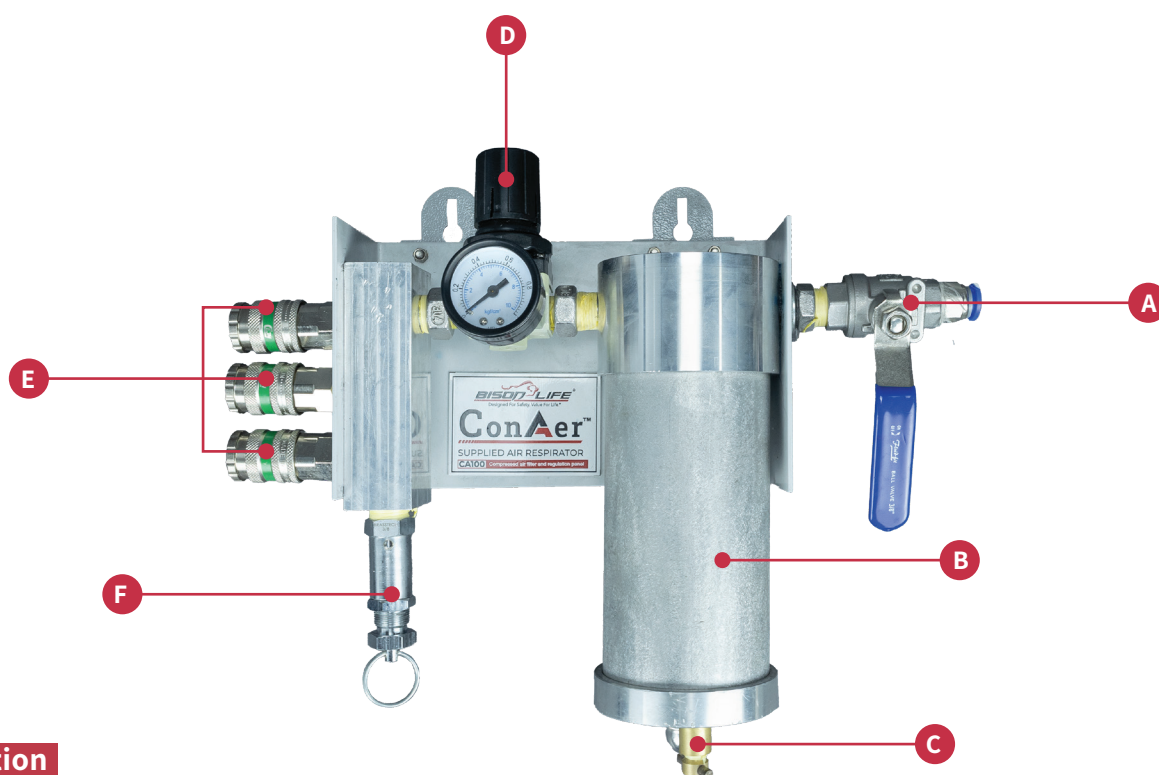
-  Automotive
-  Chemical
-  Pharmaceutical
-  Heavy Engineering
-  Windmill Manufacturing

4. Outlet Valve:

- It has CEJN 342 series quick coupling (**E**) are ready to supply air to helmets, hoods or tight-fitting facepieces.
- Quick couplings are incompatible with outlets for other gas systems to prevent inadvertent servicing of airline respirators with non-respirable gases or oxygen.

5. Pressure Relief Valve:

- The final component of the panel, the pressure relief valve (**F**), prevents pressure at the hose connection from exceeding 110 psi (± 5 psi).



Specification

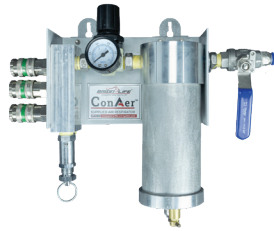
Inlet pressure (max.)	150 psi static
Rated air flow (max.)	50 scfm (1416 L/min) at 105 psi
Inlet pressure (recommended)	90 to 120 psi (6.2-8.3 bar)
Outlet pressure range	0 to 115 \pm 5 psi (0 to 7.2 \pm 0.34 bar)

Warning

Compressed breathing air shall meet at least the requirements for Grade D breathing air described in ANSI/Compressed Gas Association Commodity Specification for Air, G-7.1-1989, to include:

- Oxygen content (v/v) of 19.5% - 23.5%
- Hydrocarbon (condensed) content of 5 milligrams per cubic meter of air or less
- Carbon monoxide (CO) content of 10 parts per million (ppm) or less
- Carbon dioxide (CO₂) content of 1,000 ppm or less
- Lack of noticeable odor

These units will not increase the oxygen content of oxygen. Use with oxygen deficient air may result in sickness or death.



CA100
Single Stage Filter



CA300M
Three Stage Filter
Manual Drain



CA300A
Three Stage Filter
Auto Drain

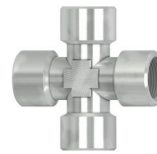


CA300AFI
Three Stage Filter
Auto Drain
Filter Indicator

Manifold



CA2MF38
2 Way Manifold



CA3MF38
3 Way Manifold

Breathing Air Hose



CA101-S20
Spiral Hose (20 Feet)



CA101B-S20
Spiral Hose (20 Feet)



CA101-Series
Straight Hose
Available Length in Feet - 25, 32, 50, 65, 102



CA101B-Series
Straight Hose



Can be connected with all Bison Life's
Half Face & Full Face Respirators



W400 Air



W500 Air



HH500



SH300



SH400

Can be connected with all Bison Life's Welding Shields, Soft Hoods & Hard Hoods



CABT01
Standard
Breathing
Tube



CABT02
Quick Release
Breathing
Tube



CA102
Regulator with Face Piece
Connector and Waist Belt



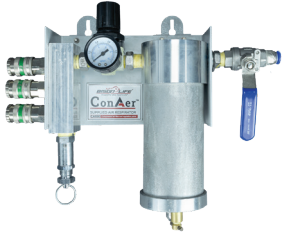




CAA01
Breathing Tube Adapter
with Airflow Regulator



CAVX01
ConAer Vortex Cooling
Device

Airline Suit



	Model No.	Product Description
	CA100	Compressed airfilter & regulation panel
	CA101-25	Supplied air hose -7.5m (25ft)
	CA101-32	Supplied air hose -10m (32ft)
	CA101-50	Supplied air hose -15m (50ft)
	CA101-65	Supplied air hose -20m (65ft)
	CA101-102	Supplied air hose -31m (102ft)
	CA101-S20	Supplied air Spiral hose -6m (20ft)
	CA102	Regulator with Face Piece Connector and Waist Belt
	CA103	Internal Filter

