



## 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.

### Applications

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

#### 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

### Industries

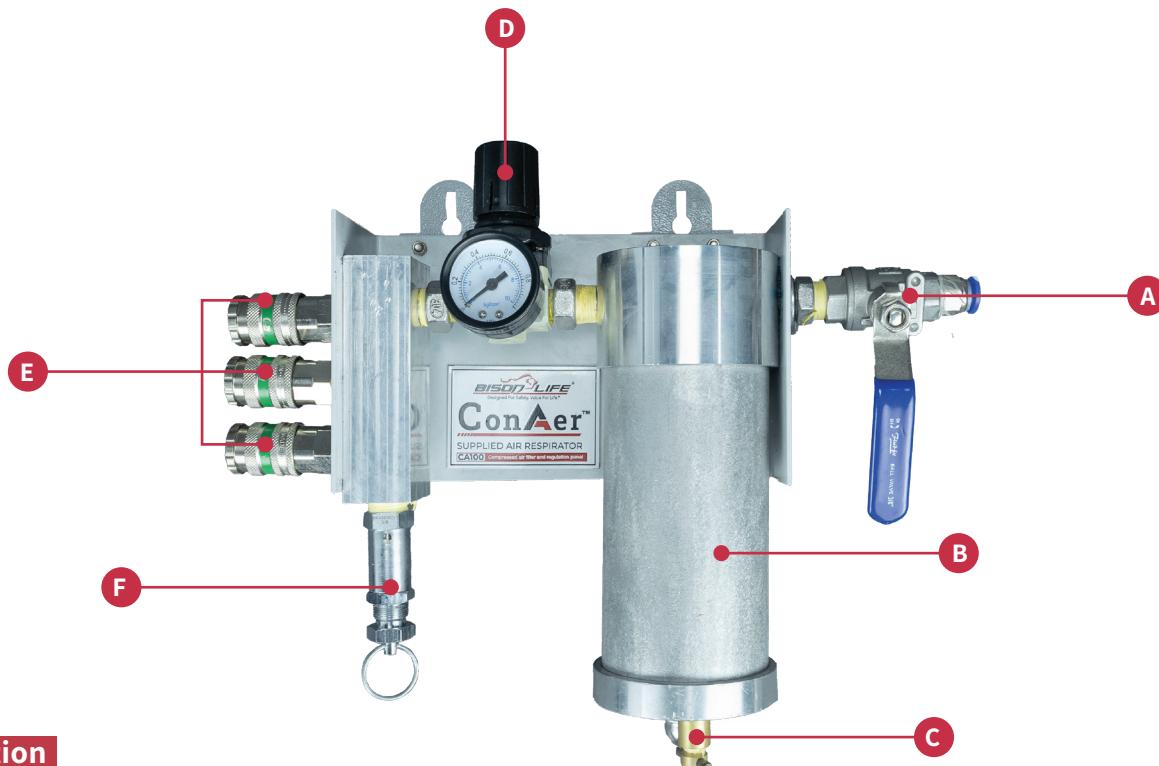
-  Automotive
-  Chemical
-  Pharmaceutical
-  Heavy Engineering
-  Windmill Manufacturing

#### 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 ( $\pm 5$  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

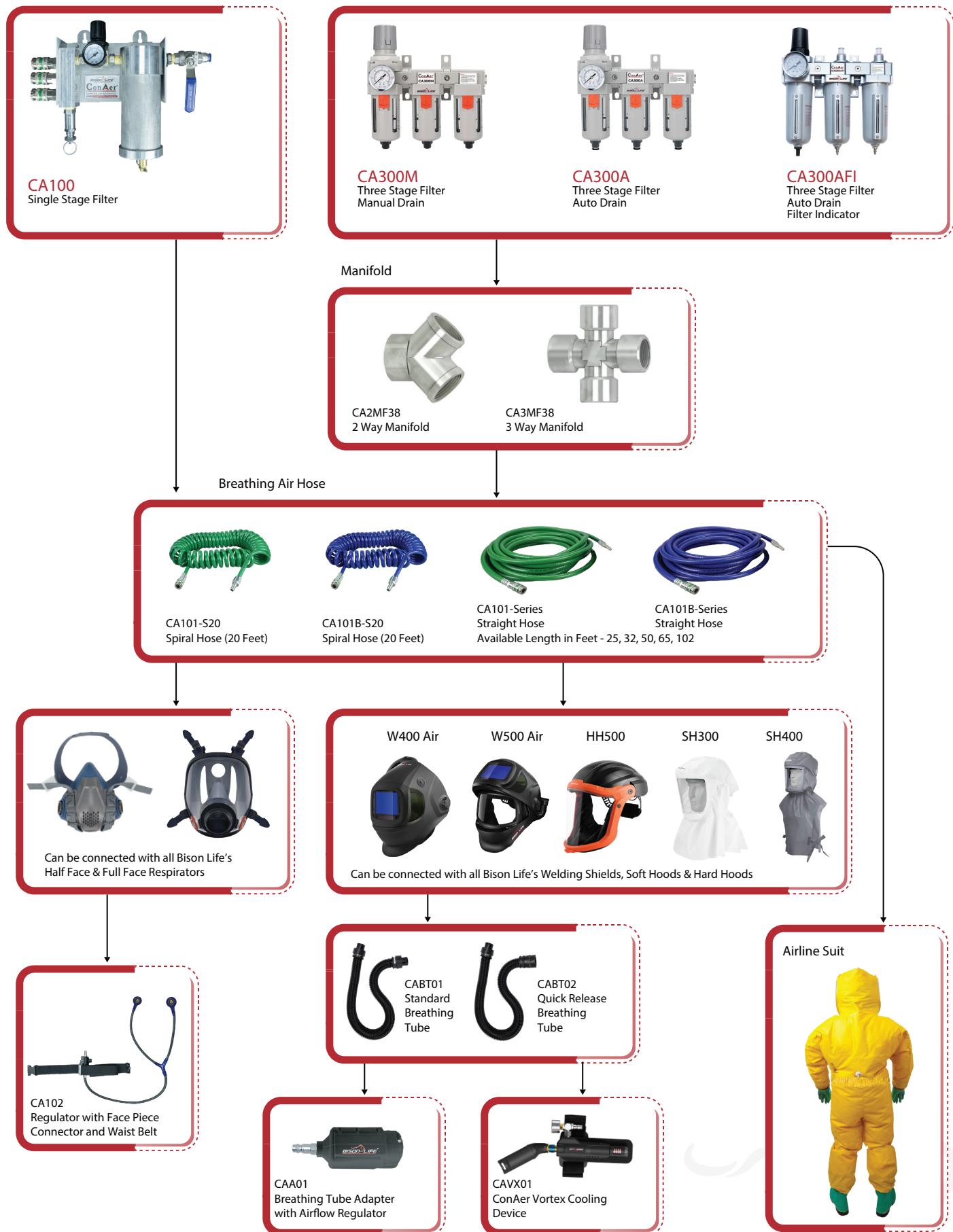
Compressed breathing air shall meet at least the requirements for Grade D breathing air described in ANSI/Compressed Gas Association Commodity Specification for Air, G-7.1-1989, to include:

- 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 (CO<sub>2</sub>) 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.



# ConAer™



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