

## Sistema de filtración de aire de alta pureza

### VISTAS DE LOS SOPORTES DE FILTRO, ELEMENTOS FILTRANTES, PURGADOR AUTOMÁTICO E INDICADOR DE REEMPLAZO DE ELEMENTO

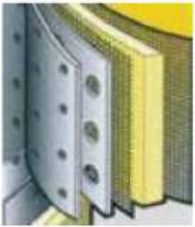


## 1-2. Features of AW series air filter:

- ① Filter housing internal with anti-corrosion treatment
- ② Robust aluminium housing withstand 16bar working pressure
- ③ Provide 5 grades support to different applications.
- ④ Optional accessories: Differential pressure indicator / / External auto drainer

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- 1. Special plastic material resistant to high temperature and guaranteed the elements installation is stable and durable.
  - 2. Stainless steel mesh: high filtration surface area with low differential pressure loss.
  - 3. Strong filter media: small pressure drop plus able to trapped large amount of particles.
  - 4. High temperature resistance and strong corrosion resistance of condensed layers.

## 1-3. Specifications of filter element:



### Separator filter (C Series )

For bulk liquid removal plus a 3 micron coalescer (5ppm w/w maximum remaining oil content).

#### Two-stage filtration

First stage—two stainless steel orifice tubes provide 10 micron mechanical separation.

Second stage—in-depth fiber media captures solid and liquid particles to 3 micron.



### Air line filter (T Series )

For removal of liquid water and oil; removes solid particles to 1 micron (1.0 ppm w/w maximum remaining oil content)

Corrosion resistant inner and outer cores.

#### Two-stage filtration

First stage: captures larger particles with alternate layers of fiber media and media screen.

Second stage: coalesces aerosols and captures solid particles with multiple layers of epoxy bonded, blended fiber media.



### High efficiency oil removal filter (A Series )

For coalescing fine water and oil aerosols; removes solid particles to 0.01 micron (0.01 ppm w/w maximum remaining oil content).

#### Corrosion resistant inner and outer cores. Two stage filtration

First stage: multiple layers of bonded, blended fiber media for fine coalescence.

Second stage: multiple layers of bonded, blended fiber media for fine coalescence.

Outer coated, closed cell foam sleeve.



**Ultra high efficiency oil removal filter (AA Series )**

For coalescing ultra-fine oil aerosols; removes solid particles to 0.01 micron (0.001 ppm w/w maximum remaining oil content).

**Corrosion resistant inner and outer cores. Two stage filtration**

First stage—coated, closed cell foam sleeve acts as pre-filter and flow disperser.

Second stage—multiple layers of matrix blended fiber media for ultra-fine coalescence.

Outer coated, closed cell foam sleeve.



**Oil vapor removal filter (H Series )**

For removal of oil and hydrocarbon vapors normally absorbable by activated carbon; removes solid particles to 0.01 micron (0.003 ppm w/w maximum remaining oil content).

**Corrosion resistant inner and outer cores. Two stage filtration .**

First stage—a stabilized bed of finely divided carbon particles removes the majority of the oil vapor

Second stage—multiple layers of fiber media with bonded micro fine carbon particles removes the remaining oil vapor.

**Multiple layers of fine media prevent particle migration .Outer coated, closed cell foam sleeve prevents fiber migration.**

**Designed for 1000 hour life at rated conditions.**

Item	Description
Model	AWC/T/A/AA/H-001DG
Air Flow capacity	1.4m3/min(1400lpm)
Air connections	Rc1"
MAX.Working pressure	16bar
MAX.Working temperature	80°C
Service life of filter elements	C/T/A/AA: 6000 hours; H: 1000 hours
Differential pressure	0.007 Mpa
Porosity	C series: 3um,5ppm; T series: 1um,1ppm; A series: 0.01um,0.01ppm; AA series: 0.01um,0.001ppm; H series: 0.01um,0.003ppm
Housing Materials	Aluminum Alloy
Weight	2KG
Dimension(A*B*C*D)	100*270*220*180mm

