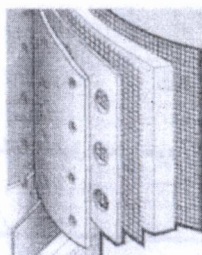


## High-efficiency filter

Filter elements are optional so as to ensure the quality of air system you need

- Piston-type filter element is sealed with shell to prevent unfiltered air from bypassing filters

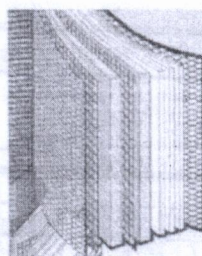


- Anti-corrosion filter-element
- Stainless element has good structural performance and low air-flow resistance

- Seam welding technology is applied to improve strength

- New "matrix mixed fiber" media

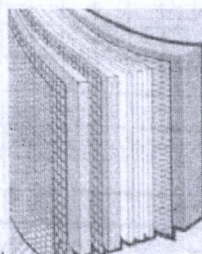
- Enlarged effective area improved filtering efficiency to ensure high efficiency
- Big open area can reduce drop of pressure



- Filmed and closed foam sleeve

- Anti chemical corrosion and anti-oil corrosion can be available

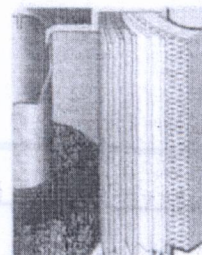
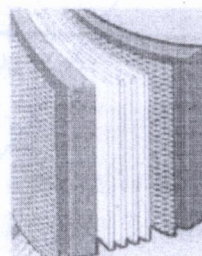
- Coalesced liquid can be prevented from inflowing to ensure high-efficiency



- End cover used to anti chemical corrosion was bonded to media by special glue

- Silicon-resin free

- Can work properly under 66°C



(1) the efficiency of filter is according to ADF 400 of CAGI standard, under 38 of inlet flow

(2) the efficiency of filter is according to ADF 500 of CAGI standard, under 38 of inlet flow

### Grade 9

Be used to remove much liquid and condensation about 3 microns (5ppm, w/w max remained oil content)

- Double-stage filtering
- 1st stage, two stainless orifice pipes can separate mechanically at 10 microns
- 2nd stage, deep media of fiber can remove solid and liquid particles at 3 microns

### Grade 7

Be used to remove liquid water and oil; solid particles at 1 microns can also be removed (1.0ppm, w/w max remained oil content)

- Filter-elements inside and outside can both anti-corrosion
- Double-stage filtering
- 1st stage, mixed fiber media and mesh media can remove most particles
- 2nd stage, mixed media of multilayer bonded epoxy can remove oil mist and solid particles

### Grade 5

Be used to remove water-mist and oil-mist, also solid particles at 0.01 microns can be removed (0.01ppm w/w max remained oil content)

- Filter-elements inside and outside can both anti-corrosion
- Double-stage filtering
- 1st stage, multilayer media of fiber and mesh can remove most particles, and can pre-remove the air before it run through filtering of 3rd stage
- 2nd stage, mixed media of multilayer bonded epoxy can remove the smaller condensation
- Outside filmed and closed foam sleeve

### Grade 3

Be used to condense the smaller water mist and oil mist, particles at 0.01 microns can be removed too (0.001ppm w/w max remained oil content)

- Filter-elements inside and outside can both anti-corrosion
- Double-stage filtering
- 1st stage, filmed and closed foam sleeve can remove and pre-disperse air-flow
- 2nd stage, mixed media of multilayer bonded epoxy can remove the smaller condensation
- Outside filmed and closed foam sleeve

### Grade 1

Be used to remove oil vapor and hydrocarbon, solid particles at 0.01 microns can be removed (0.003ppm w/w max remained oil content)

- Filter-elements inside and outside can both anti-corrosion
- Double-stage filtering
- 1st stage, layer of fine active carbon powder can remove most of oil vapor
- 2nd stage, multilayer fiber media bonded with micro-fine active carbon powder can remove remained oil vapor
- Multilayer fine media can prevent pollutant from moving
- Outside-filmed and closed foam sleeve can prevent pollutant from moving
- Designed life can be 1000 hours at rated conditions