

COMPRESSED AIR FILTER

Compressed air is an important energy in modern industry, because it is flexible, and reliable, however, only when the compressed air is clean, the advantages can be fully reflecting. As we known particles always exists in the atmosphere, the particles after sucked into the compressor, will be concentrated 8 times, in addition, according to the compression types different, more or less oil content in micro mist form into the compressed air network, and in the humid air system generated by the corrosion of unfavorable factors, will lead to a significant industrial problem, such as, the production suspending, the emergence of waste and high maintenance cost, etc. In order to solve these long-time problem in industrial enterprises, with as little as possible of filtering processing volume as large as possible the air flow is our pursuit, the combination of multilayer filter material folding form one of the world's most advanced filtration technology used in Chinese compressed air purification field.

Separating filter (Grade E)

Apply to filter out a lot of liquid and 3 micron size condensation product, 5 PPM maximum residual oil content.

Main Pipeline filter (Grade D)

Abandon the old ceramic filter core, instead of multilayer glass fiber material.

1. Main pipeline filter, general for reciprocating air compressor pre-filtering.
2. Filtering out lots of oil, moisture in the compressed air to less than 1 ppm, filtering the impurity particles to 1 micron.



High efficiency oil removal filter (Grade C)

Glass fiber multi- layers overlapping material;

1. Air pipeline filter, this Grade C fit for general pipeline and general screw type air compressor, belong to pre-filter device.
2. Filtering the oil, moisture, liquid in the compressed air within 0.01 ppm, impurity within 0.01 micron.

Super high efficiency oil removal filter (Grade B)

Glass fiber medium including coated film sealed sets of net and manifold matrix blend fiber medium;

1. Super high efficiency oil removal filter, this Grade is the after filter device of air compressed.
2. Fit for removing infinitesimal oil, moisture in the compressed air, precisely filtering within 0.001 micron, achieve to oil-free high quality compressed air

Ultra-precision activated carbon filter (Grade A)

Extremely active carbon powder and multilayer fiber material;

1. This Grade works on special high precision filtering.
2. Filter out remaining oil mist in the compressed air to less than 0.003 ppm, and filter out odor of ammonia and carbon compound and filtering



remove ultra fine particulate matter to less than 0.01 micron , to the best effect oil free and odorless.

Air Line Filters Introduction








- 1>. The shell is made of aluminum alloy die-casting, the structure is compact, and the surface of the shell is specially treated to improve durability and corrosion resistance.
- 2>. Advanced filter element design concept, enlarged circulation path and reduced pressure drop; 96% void ratio, large dust holding capacity, long service life, low energy consumption; compact structure, convenient connection and space saving.
- 3>. The stainless steel inner and outer support nets increase the strength of the support layer and maximize the strength of the filter element.

ZIQI filter structure exploded view



Pressure gauge and automatic drainer is optional



Name	Pic.	Characteristic
Filer paper		Adopt the filter paper material produced by American HV company, the material is glass fiber, stacked filter element, larger filter area, higher dust holding capacity, and also has a smaller pressure difference and a longer service life
Separator filters	 E-001 pic.	Particle removal:above 3μm Water removal efficiency is above 95%. Adopt stainless steel diamond mesh, larger filtering area, less resistance.
Main pipeline filters	 D-001 pic.	Particle removal:1 μm Oil removal[oil moist,water moist]:0.1ppm
Efficient oil removal filters	 C-001 pic.	Particle removal:0.01μm Oil removal[oil moist,water moist]:0.01ppm The condensed layer on the outside of the filter element is made of cotton spray glue, which is resistant to high temperature and corrosion.
High-Efficient oil removal filters	 B-001 pic.	Particle removal:0.001μm Oil removal[oil moist,water moist]:0.001ppm Oil content ≤0.001mg / m3. Adopt stainless steel diamond mesh, larger filtering area, less resistance.
Ultra-precision activated carbon filter	 A-001 pic.	Filter out the residual oil mist in the compressed air to within 0.003ppm, and the odor of the ammonium carbonate compound and filter out ultrafine particulate matter to within 0.01μm, to achieve a better effect without oil and odor. Adopt stainless steel diamond mesh, larger filtering area, less resistance.
Disassembly		The design method without tie rods, the bayonet design on the top of the filter element, energy-saving installation controls, easy to disassemble. Air tight seal ring, pre-filtered inside to prevent contaminants from chemical corrosion through the end cover, can withstand the harshest compressed air environment.

Product details:

The ZIQI filter is equipped with a differential pressure gauge that accurately indicates the differential pressure of the filter element and reminds you to replace the filter element in time. Not installed after the differential pressure reaches a certain value will increase the energy consumption, the accumulation of additional energy in a short time will exceed the value of the replacement filter.



ZIQI adopts the automatic drainer with manual detection function imported from Europe, which has high stability and long service life. (Operation note: The copper knob at the bottom of the drain valve is turned to the left in the vertical state for manual drainage and the right to the bottom for automatic drainage.)



Filter paper: Folding filter element with smaller pressure difference and longer service life;



Stainless steel diamond mesh for greater effective filtration area;



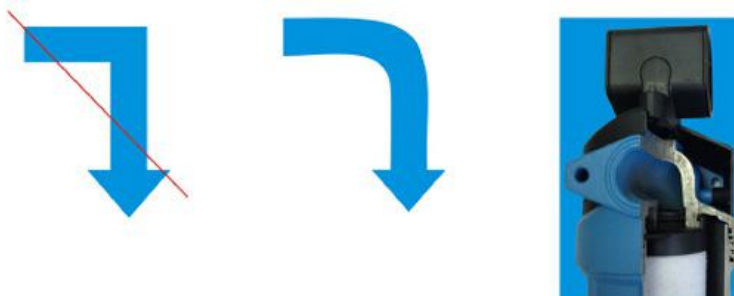
The outer coacervate of the filter element is made of sprayed cotton, which is resistant to high temperature and corrosion;



Easy to disassemble with no tie rod design;



The air inlet to the filter element is designed with a curved pipe, which has a smaller pressure drop. The cylinder body is treated with anti-rust, anti-oxidation and spray treatment, and corrosion-resistant wall.

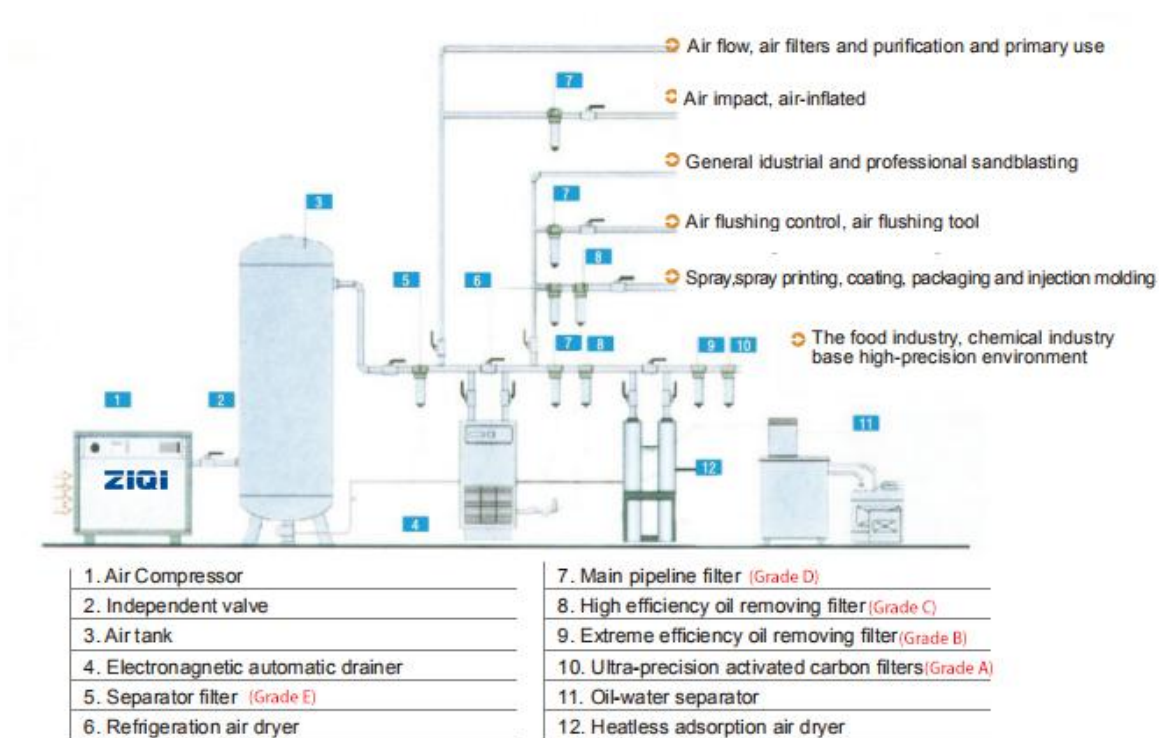


Leak detection equipment: filter leakage is energy loss, ZIQI filter 100% rigorously tested.



Technical Parameters

picture	model	filtration level	dust removing	oil removing
	E	dust removal filtration	3μm	1ppm
	D	oil removal filtration	0.1μm	0.1ppm
	C	high precision filtration	0.01μm	0.01ppm
	B	super high efficiency oil removal filter	0.001μm	0.001ppm
	A	activated carbon filtration	/	0.003ppm



Filter size table

Model					capacity	dimension(mm)		Connection	Weight
E-	D-	C-	B-	A-	m³/min	W	H	mm	KGS
001	001	001	001	001	1.2	95	220	20	0.76
002	002	002	002	002	2.4	95	280	20	0.68
004	004	004	004	004	3.8	125	320	40	2.08
007	007	007	007	007	6.8	125	400	40	2.3
008	008	008	008	008	8.5	125	400	40	2.3
010	010	010	010	010	10.7	170	520	50	5.68
014	014	014	014	014	14	170	700	50	7.3
018	018	018	018	018	18	200	955	65	14.52
025	025	025	025	025	25	200	955	80	14.1
035	035	035	035	035	35	200	955	80	14.1
046	046	046	046	046	46	525	1003	125	102
060	060	060	060	060	60	525	1003	125	110
068	068	068	068	068	68	577	1064	150	147
088	088	088	088	088	88	651	1123	150	161
110	110	110	110	110	110	784	1262	200	280
230	230	230	230	230	230	834	1483	200	280



A-002



C-002



D-002



A-004



C-004



D-004