

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 know particles always exist 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 Q)

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



Super high efficiency oil removal filter (Grade S)

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 B)

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.





filter structure exploded view

Differential pressure gauge: accurately indicate the pressure difference of the filter element, reminding to replace the filter element in time

Type O seal: better sealing and strength

Stainless steel inner net: diamond design air flow through larger area, less resistance

The filter layer adopts a folding process with small pressure difference and large dust holding capacity.

Stainless steel outer net

Aluminum alloy cylinder, high strength and high hardness material, anodized

Agglutination layer is resistant to high temperature and corrosion resistance

Drainage: imported from Europe with manual detection Automatic drain, high stability, long life



1.Product details:

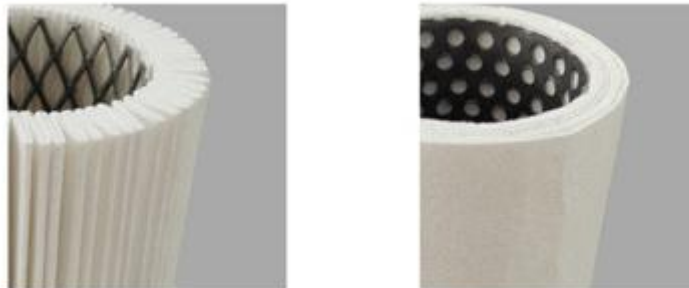
The Itair filter is equipped with a differential pressure gauge that accurately indicates the differential pressure of the filter element and reminds you to replace the filter element in time. Not installed after the differential pressure reaches a certain value will increase the energy consumption,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



Itair 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;



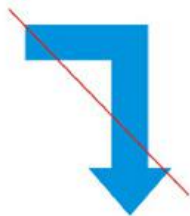
The outer coacervate of the filter element is made of sprayed cotton, which is resistant to high temperature and corrosion;



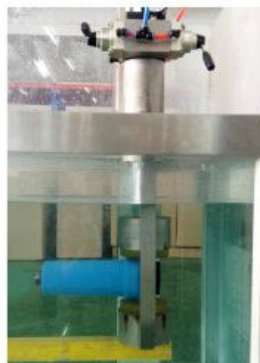
Easy to disassemble with no tie rod design;



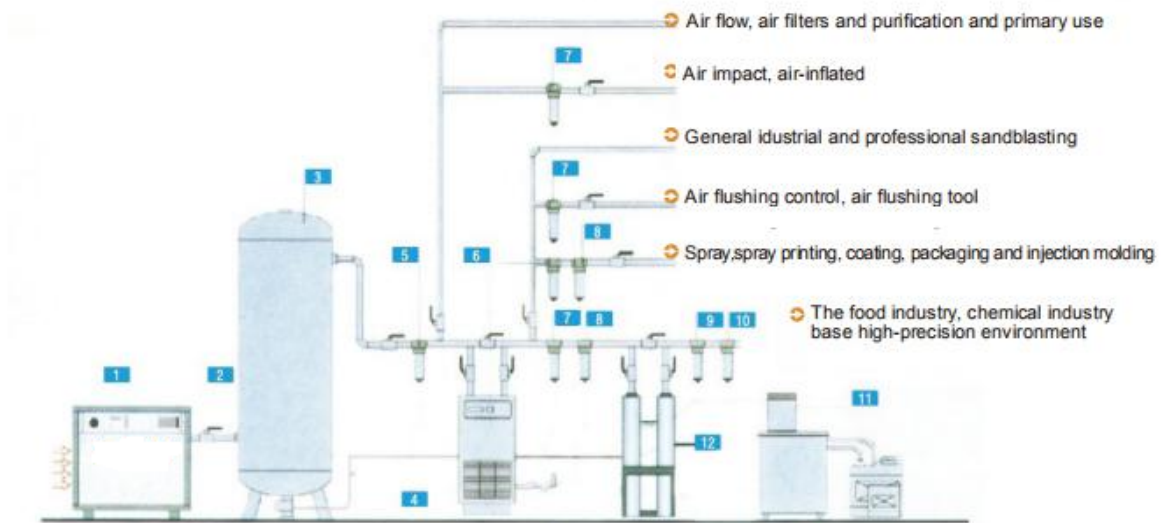
The air inlet to the filter element is designed with a curved pipe, which has a smaller pressure drop. The cylinder body is treated with anti-rust, anti-oxidation and spray treatment, and corrosion-resistant wall.



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



2. Technical Parameters



- | |
|--------------------------------------|
| 1. Air Compressor |
| 2. Independent valve |
| 3. Air tank |
| 4. Electromagnetic automatic drainer |
| 5. Separator filter (GRADE Q) |
| 6. Refrigeration air dryer |

- | |
|--|
| 7. Main pipeline filter |
| 8. High efficiency oil removing filter (GRADE S) |
| 9. Extreme efficiency oil removing filter |
| 10. Ultra-precision activated carbon filters (GRADE B) |
| 11. Oil-water separator |
| 12. Heatless adsorption air dryer |

picture	model	filtration level	dust removing	oil removing
	Q	dust removal filtration	3μm	1ppm
	S	super high efficiency oil removal filter	0.001μm	0.001ppm
	B	activated carbon filtration	/	0.003ppm

TABLE OF TECHNICAL CHARACTERISTICS

Line Air Filter (Grade Q,B,S)										
Model(LINE FILTER)	JMS-015-Q	JMS-024-Q	JMS-035-Q	JMS-060-Q	JMS-090-Q	JMS-120-Q	JMS-150-Q	JMS-240-Q	JMS-300-Q	JMS-360-Q
Filtration impurities	3micron	3 micron	3 micron	3micron	3 micron	3 micron	3micron	3 micron	3 micron	3 micron
Oil filtering content	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM
Initial pressure difference	0.1KG/CM2									
Maximum pressure difference	0.7KG/CM2									
Connecting size:	G 3/4"	G 3/4"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 2 1/2"	G 2 1/2"	G 3"	DN100	DN100
Air flow(m ³ /min)	1.5	2.4	3.5	6.0	9.0	12.0	15.0	24.0	30.0	36.0
Maximum pressure	13bar	13bar	13bar	13bar	13bar	13bar	13bar	13bar	12bar	12bar
Dimension (mm)	L	267	513	513	513	550	928	928	1225.5	1521
	W	243	310	310	450	509	887	887	1133	1100
	H	89	109	109	109	150	150	150	275	473
Weight(KG)	1,1	2,2	2,2	2,7	8	16	16	137	137	137
Model(LINE FILTER ACTIVATED CARBON)	JMS-015-B	JMS-024-B	JMS-035-B	JMS-060-B	JMS-090-B	JMS-120-B	JMS-150-B	JMS-240-B	JMS-300-B	JMS-360-B
Filtration impurities	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron
Oil filtering content	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM
Initial pressure difference	0.1KG/CM2									
Maximum pressure difference	0.7KG/CM2									
Connecting size:	G 3/4"	G 3/4"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 2 1/2"	G 2 1/2"	G 3"	DN100	DN100
Air flow(m ³ /min)	1.5	2.4	3.5	6.0	9.0	12.0	15.0	24.0	30.0	36.0
Maximum pressure	13bar	13bar	13bar	13bar	13bar	13bar	13bar	13bar	12bar	12bar
Dimension (mm)	L	267	513	513	513	550	928	928	1225.5	1521
	W	243	310	310	450	509	887	887	1133	1100
	H	89	109	109	109	150	150	150	275	473
Weight(KG)	1,1	2,2	2,2	2,7	8	16	16	137	137	137
Model(LINE FILTER COALESENT)	JMS-015-S	JMS-024-S	JMS-035-S	JMS-060-S	JMS-090-S	JMS-120-S	JMS-150-S	JMS-240-S	JMS-300-S	JMS-360-S
Filtration impurities	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron
Oil filtering content	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM
Initial pressure difference	0.1KG/CM2									
Maximum pressure difference	0.7KG/CM2									
Connecting size:	G 3/4"	G 3/4"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 2 1/2"	G 2 1/2"	G 3"	DN100	DN100
Air flow(m ³ /min)	1.5	2.4	3.5	6.0	9.0	12.0	15.0	24.0	30.0	36.0
Maximum pressure	13bar	13bar	13bar	13bar	13bar	13bar	13bar	13bar	12bar	12bar
Dimension (mm)	L	267	513	513	513	550	928	928	1225.5	1521
	W	243	310	310	450	509	887	887	1133	1100
	H	89	109	109	109	150	150	150	275	473
Weight(KG)	1,1	2,2	2,2	2,7	8	16	16	137	137	137