



**YI HSIN**  
義 新 機 電

The Essential Equipment in Air Compressing  
No energy wasted, no air consumed and eco-friendly.  
Automatic Air Filter of Oil and Water Vapor effectively  
filtered 99% of water vapor.

壓縮空氣專用  
全自動空氣  
油水濾除器

效率

便利

節能

科技

環保



Japan patent certificate  
Number of 3212429  
registered



Utility patent certificate  
Number of M521674



壓縮空氣專用  
全自動油水濾除器

AUTOMATIC AIR FILTER OF OIL AND WATER VAPOR -  
SPECIAL FOR COMPRESSOR



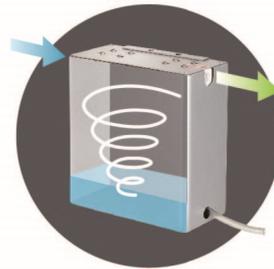
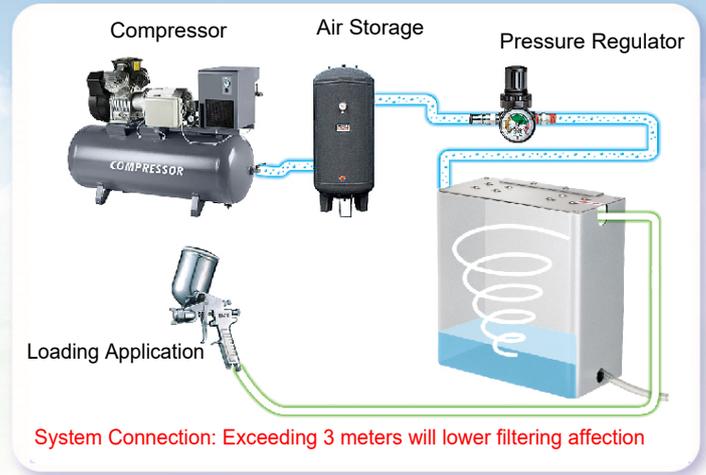
# Special for Air Compressing Automatic Air Filter of Oil and Water Vapor

## Product description

Taiwan is located in marine climate which cause problem when using compressor. When inletting air, it always contain humid air which may cause damage to the back-end device if the vapor did not drained accordingly. We should always be aware when choosing suitable drainage. Yi Hsin electrical company has been expertise in electromechanical and technological know-how for many years. Equipment that we have been bringing to market and investing in over the years called "special for compressor automatic air filter of oil and water vapor". No energy wasted, no air consumed, eco-friendly automatic air filter of oil and water vapor effectively filtered 99% of water vapors. It will become the essential equipment when it comes to air compressing.

## Actuation theory

Using the specific gravity of air and water, the heavier water vapor is separated by cyclone by the cyclone separation principle. It has the advantage of eco-friendly, power saving, with no need of maintenance.



## Applicable industry

Food processing industry, machinery processing industry, pneumatic cylinder machinery injection factory, professional maintenance paint, coating industry, dentistry, electronics industry and other compressor users.

## Product category

IS - 0 - 1 - C - T

Yi Hsin No. 0: 3HP 1: 5HP 2: 7.5HP 3: 10HP 4: 15HP  
 1: AC 110V 2: AC 220V 3: AC 380V  
 4: AC 440V 7: DC 24V  
 Cooling Made in Taiwan

## Product specification

Item		Automatic Air Filter of Oil and Water Vapor - Special for Compressor						
Model		IS-0□T	IS-1□T	IS-2□T	IS-3□T	IS-3□CT	IS-4□T	IS-4□CT
Air processing capacity(m3/min)		0.35	0.5	1.1	1.6	1.6	1.95	1.95
Suitable application air compressor horsepower (HP)		3 HP	5 HP	7.5 HP	10 HP	10 HP	15 HP	15 HP
Conditions of Use	Using fluid	Compressed air						
	Use pressure range(Mpa)	0.4 ~ 0.69 (7 kg)						
	Inlet air temperature(°C)	5 ~ 30						
	Surrounding temperature(°C)	2 ~ 40						
Standard Handling air conditions	Inlet air pressure(Mpa)	0.69 (7 kg)						
	Inlet air temperature(°C)	30						
Performance	Water droplet separation efficiency (%)	99						
	Pressure loss(Mpa)	0.01						
	Filter replacement time recommended	1 Year	2 Year				3 Year	
	Piping caliber	1/2" PT				3/4" PT		
Condensate discharge outlet		Rc1/4						
weight (kg)		3.0	5.4	6.5	8.9	12.5	19.7	24.5
Filter element used	Filtration accuracy	1 micron	1 micron					
	Quantity	1	2		3		6	
Drainage voltage		AC220V/0.1A			AC220V/1.5A		AC220V/2.5A	
Size		H230xW120xD123mm	H230xW243xD133mm	H380xW243xD133mm	H380xW370xD133mm	H380xW370xD275mm	H345xW478xD298mm	H345xW478xD440mm
Product patent		Taiwan patent/Japan patent						
Note and description: 1.The amount of treated air is the air intake state of the air compressor:(1Atmospheric pressure, 32°C, 75%Humidity). 2. Automatic/Manual drainage.								



Main business  
Linear proximity  
switch Air water  
filtration  
equipment