AIR2550

Intelligent Control Air Compressor

User Manual



Thanks for choosing our series products . It will bring you convenience and efficiency for your work.For optimal user experience,please read the manual carefully before using and store it properly for future reference.

We have the right to upgrade the machine and modify the manual without prior notice. Thanks for understanding!

Summarizes and Features:

AIR2550 Intelligent Control Air Compressor——an inflation source developed for small and medium-sized precision air equipment. It has an intelligent electronic control device to precisely control the inflation and exhaust of the machine,which breaks the the situation that traditional air pressure gauge cannot accurately calcu late and measure air pressure.The gas equipment can input standard air pressure to achieve perfect working conditions and improve process quality standards.The equipment can input standard air pressure to achieve perfect working conditions and improve process quality standards.

Features:

❶ It adopts oil-free asynchronous compression motor, which has high energy efficiency and low noise.
❷ Streamlined air tank output airflow is smoother and more stable.
❸ Microcomputer chip integrated computing automatic control is more intelligent and reliable.
❹ Intelligent program design multi-functional digital display makes work description clearly and display conveniently.
❺ The output and input air pressure can be adjusted from 0 to 0.6 mp, allowing you to freely connect multiple air source loads.
❻ Input air pressure adjustment makes the machine be not limited to the geographical environment altitude air pressure impact, carry as you wish.
❼ Microchip multiple digital protection can automaticly control of current , automatic temperature detection, more safe and reliable.
❽ Optocoupler isolation is used to drive the compressor and solenoid valve, which is more efficient, safe and energy-saving.
❾ The machine adopts ultra-low loss, high efficiency, green and environmentally friendly industrial-grade manufacturing technology advanced digital electronic and electrical performance design to ensure its safety, practicality, energy saving and low loss.

Parameters

Product name	Intelligent Intelligent Control Air Compressor	Product model	AIR 2550
Power supply	110V or 220V optional 50Hz/60Hz	Output air pressure	0-0.6Mpa (adjustable)
Noise	≤50dB	The maximum temperature of the compressor	55°C
Size	260*150*180mm	Weight	12.5kg
Rated flow rate	⩾13L/min	Max. instantaneous power	180W

Application

It is suitable for various scientific research institutions, medical equipment, and small and medium-sized precision gas equipment in households.


Pneumatic welding machine


Laser welding machine


Oral tooth grinder

Troubleshooting

1. If there is no display without power, please check whether the power plug board and power switch are damaged; whether the fuse on the back is burned out.
2. If the compressor does not stop, please check whether there is any air leakage at the air outlet, air-using equipment, air pipe and other linked parts.
3. The output air pressure is too large or too small, please check and adjust the output pressure.
4. The machine overheats and is on standby frequently . Please check whether the cooling fan outlet is blocked, dirt accumulates, the working environment is overheated and other heat dissipation problems.
5. The output air pressure is low or there is oil pollution. Please checkwhether there is too much oil pollution and whether sewage outfall is deformed or blocked.
6. If the fault cannot be solved based on the above, please contact our professional staff for repair. Please do not disassemble the machine without authorization.

Packing List


Main machine*1

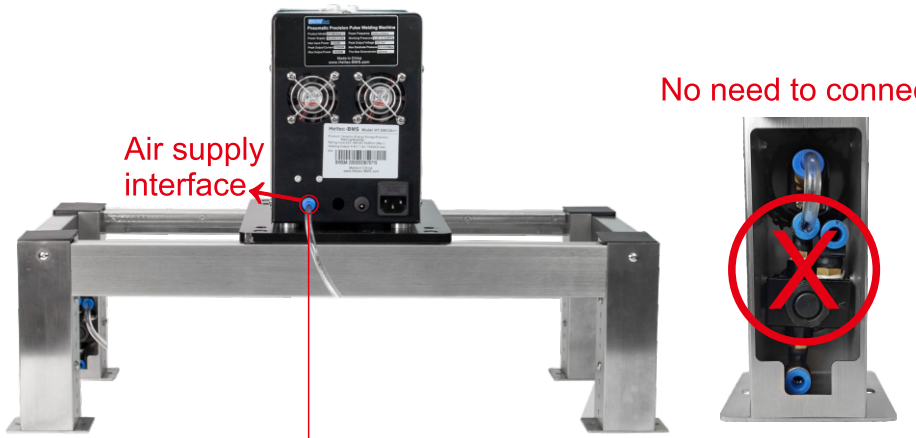

Two meter trachea*1


Power line*1


Outlet valve*1


Metal silencer*1

AIR2550 Air Compressor And HT-SW33A/330++ Pneumatic Spot Welding Machine Wiring Diagram

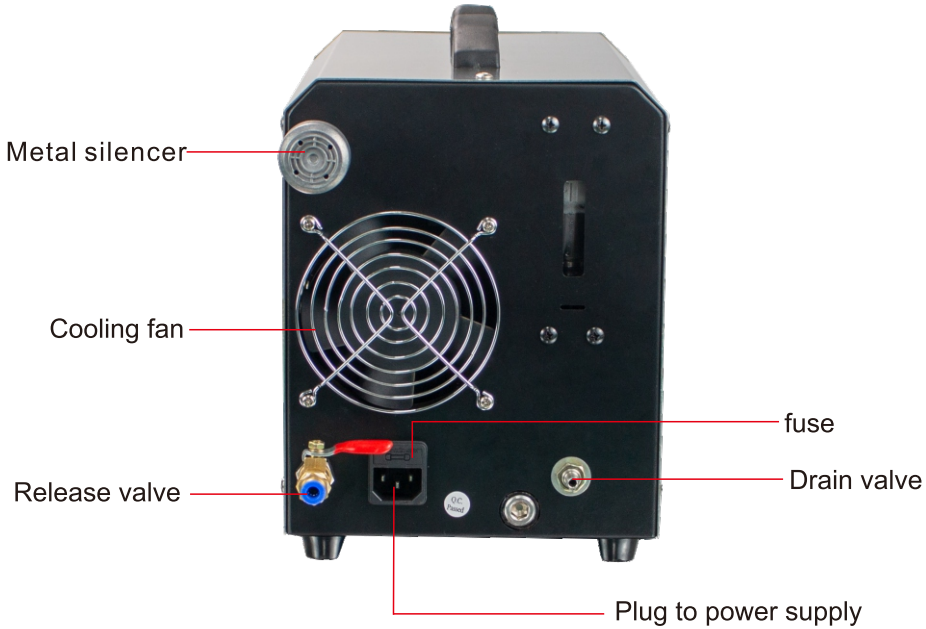




Since AIR2550 has an air outlet control device, there is no need to connect the air valve column on the gantry to connect the pneumatic spot welder. You can directly connect the air pipe to the air source interface on the pneumatic spot welder from the air compressor release valve.

Product Schematic Diagram





Parameter Display



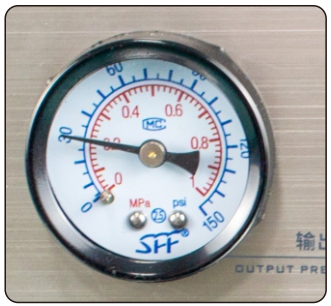
Display current during working



Display internal temperature when full of air

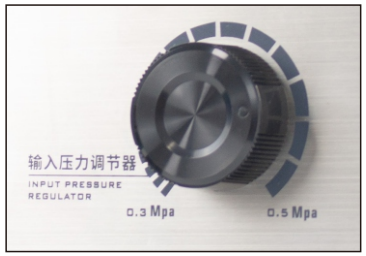


Display the internal air pressure of the cylinder

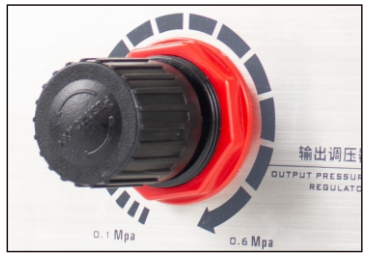


Display output air pressure

Knob adjustment



Adjust the maximum stored air pressure inside the cylinder with the knob



Adjust the maximum output air pressure with the knob

Installation startup and basic operation instructions



1.Connect the inflation pipe to the back of the machine, and connect the other end of it to the gas equipment.



2.Turn on the machine - connect the power cord to the back of the machine and press the power switch button.“ — ○ ”。



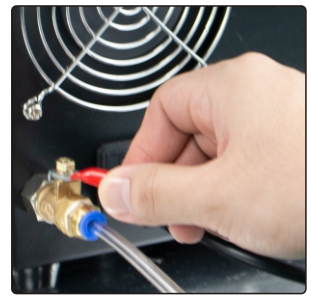
3.Rotate the input pressure regulator to adjust the air tank to store the maximum air pressure value.



4.Rotate the output regulator to adjust the maximum output air pressure value.



5.During the inflation process, the parameter displays the working current (A). When the inflation is completed, the parameter display switches to the internal temperature of the air source (℃)Shutdown/ power outage during inflation process



6.After the inflation is completed, turn the air outlet valve on the back of the machine and the air source starts to supply air.