

Atomic Absorption Spectrophotometer DW-AA320N



1. Build-in computer data processing and LCD display: stable and reliable with the functions of integral holding, peak height

and area, auto zero adjusting, deuterium lamp background correction, multi-linear and nonlinear curves fitting, various parameters

and working curves displayed in screen and report printing, etc. It is equipped with interface for externally linking PC.

2. Stability: Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature (with the function of the eliminating the affection of wavelength drift on the base line stability) and electronic circuit drift so as to reach a good basic line stability.

3. Quickly: The cathode lamp needs not be pre-heated for long time and sample can be analyzed immediately. It is the preferable instrument chosen by users to conduct analysis of multiple kinds of elements and fast analysis of samples.
4. High precision of measurement: Gas path system is equipped with precision pressure stabilizing and current stabilizing

devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration

5. High energy optical path: A total reflection system is adopted to eliminate color difference in full range. By means of chemical conversion, a round light spot of the light source becomes a long light spot, which enters into the slit. Therefore the light flux of double beam is enhanced.

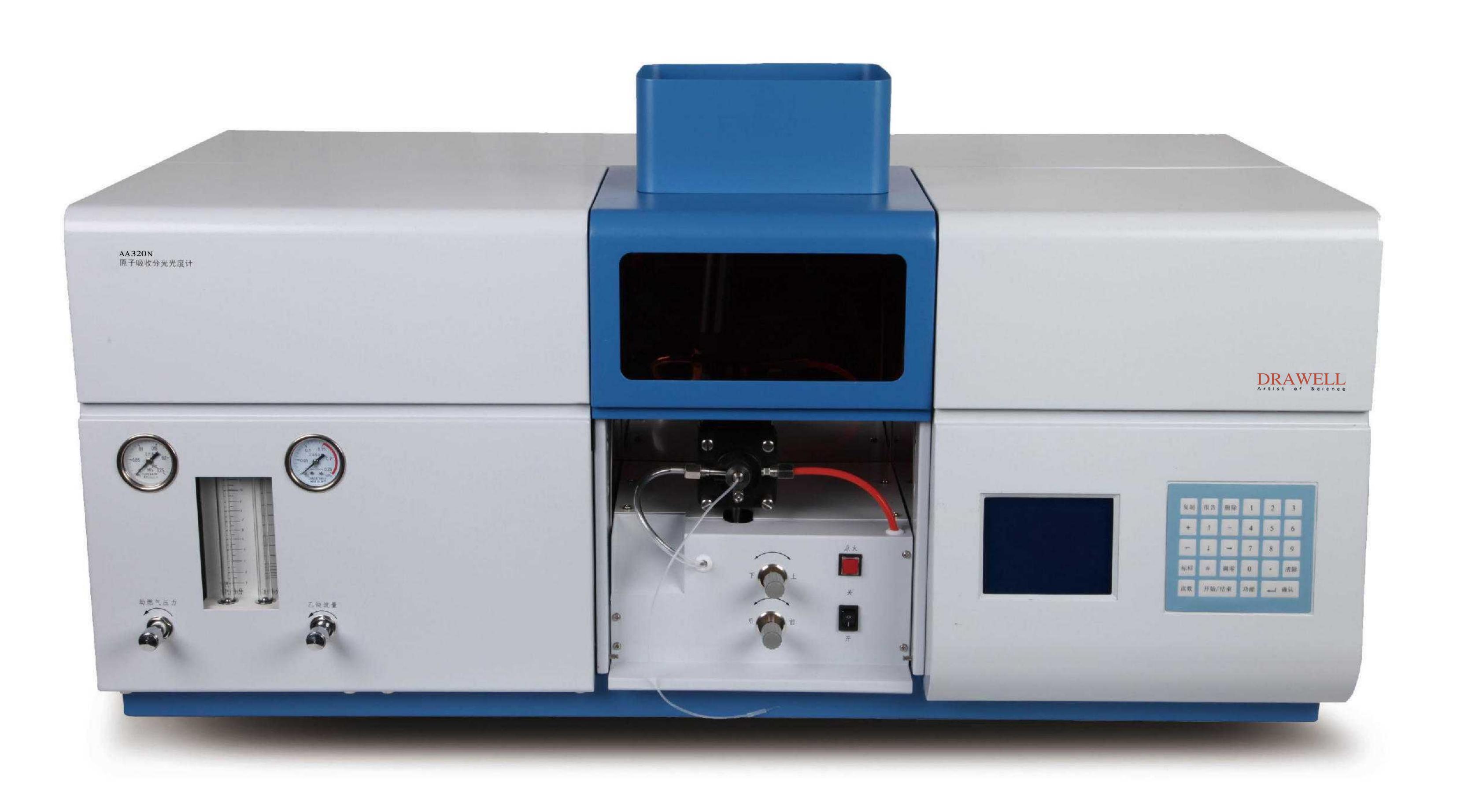
6. Long-life and anti-corrosive atomization system: The burner is made of new type titanium alloys, anti-corrosive and fast

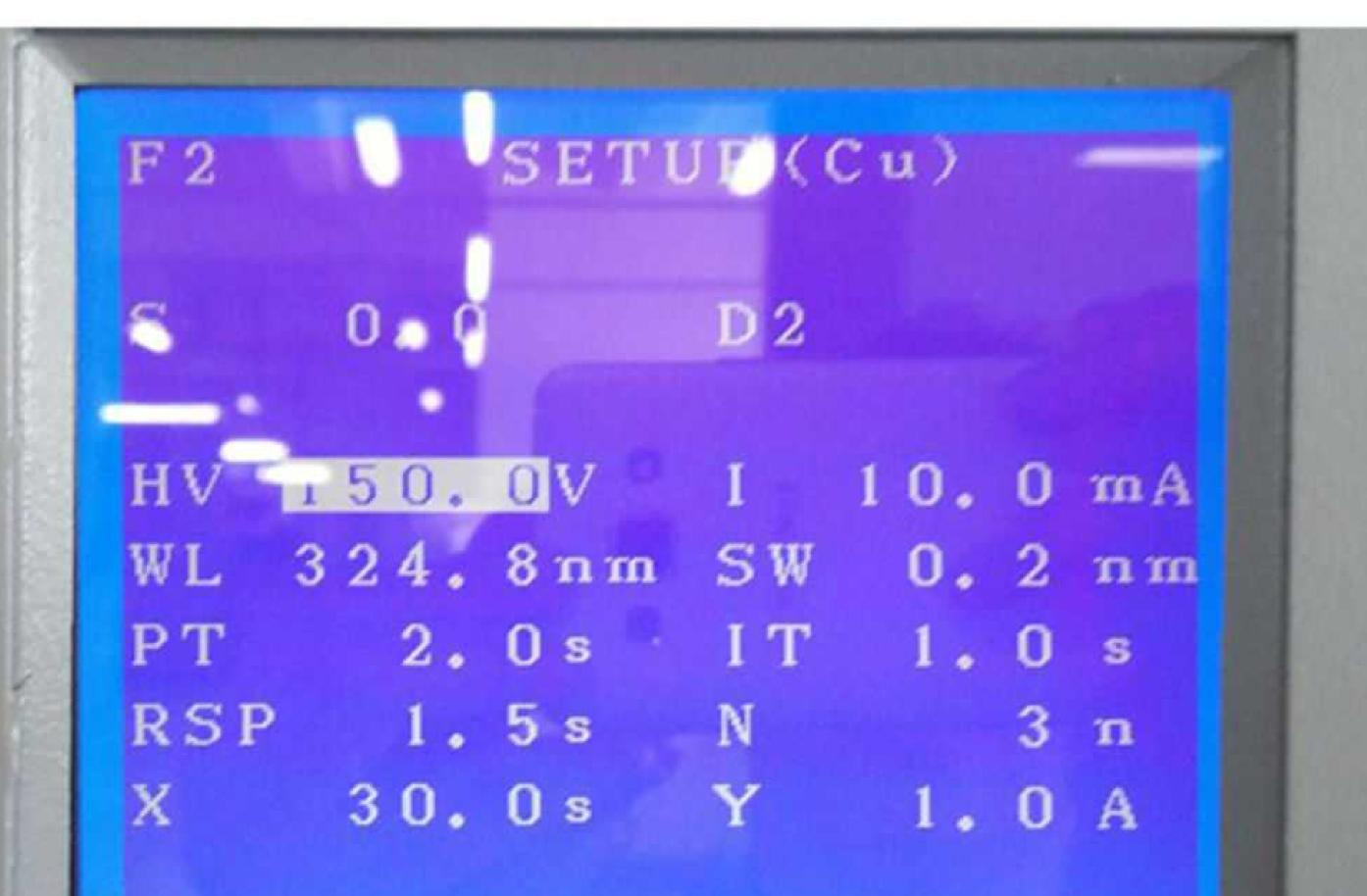
thermal equilibrium. It meets the requirement of measurement sensitivity without water-cooling.

7. Multi-functional analysis mode: for methods of flame absorption, flame emission, graphite furnace atomic absorption and hydride generation.

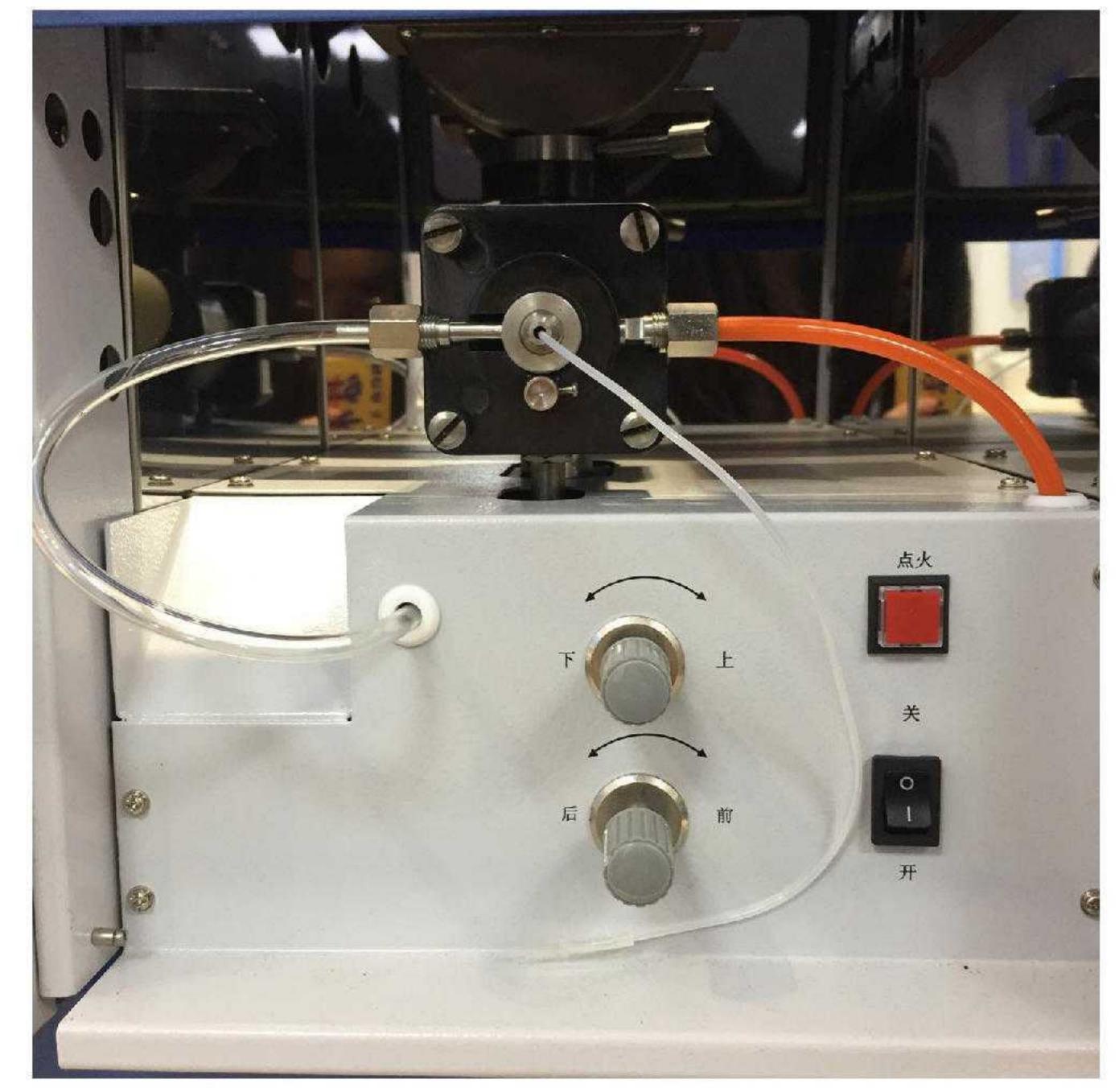
8. Safe and reliable gas path system: Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame as well as nitrous oxide-acetylene flame and extend the analytic elements to reach more than 60.

9. Complete set of accessories: to be supplied with the instrument and ready for use after they are purchased.









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Specifications

WL range (nm)	190-900	
WL accuracy	0.5nm	
WL repeatability	0.3nm (single direction)	
Spectrum bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm	
Resolution	<40%	
Base line stability	0.004Abs/30min	
Characteristic concentration of copper	0.04g/ml/1%	
Detection limit of copper	0.008g/ml	
Background calibration ability	Greater than 30 times	
RS232	including	
Printer	optional	
Power supply	220V 3A, 50Hz	
G.W.	160Kg (Main instrument), 65Kg (Accessories)	
Package Dimensions	1220x770x730mm (Main instrument), 800x400x900mm (Accessories)	
Optional Accessories	Titanium burner—5cmNitrous oxide generatorHydride generatorGraphite tubesAcetylene Regulator YQE-213Nitrous oxide regulatorSoftwarerecirculating cooling water system	

DW-AA320N Packing List

Item.	Descriptions	Qty.
1	Main instrument	1
2	Power cable	1
3	Operating manual	1
4	Burner unit	1
5	Water-separating gas filter base	1
6	Bush	10
7	Threaded sleeve	10
8	Dust cover	1
9	Gasket	15
10	Sheet gasket	4
11	Scale plate for adjust the light	1
12	Joint	1
13	Pul-out piece spring	1
14	Input Joint	1
15	Output Joint	1
16	Closure head	2
17	Hand knob	1
18	Scale disk	1
19	Acetylene Regulator YQE-213	1

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20	Water-separating gas filter QSL1/4'	1
21	PU plastic tube Φ6*1	15M
22	PVC tube Φ10*1.4	3M
23	O gland ring D10*2	10
24	O gland ring D16*2	4
25	O gland ring D32*3	6
26	O gland ring D40*3	6
27	Fuse 2A	5
28	Fuse 0.5A	5
29	Fuse 0.1A	5
30	Nut runner	4
31	Tools	1
32	Glass Atomizer	1
33	Hollow cathode lamp Cu	1
34	Oil-free diaphragm air compressor	1

