



AEROSOL SUCTION

Aerosol suction machine [Movable]

H14
Multiply Panel Filter Design
Automatic Alarm
4 layers filteration
+ 2 UVC Lamps + Plasma



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TECHNICAL SPECIFICATION

Model	RD80-md
Voltage	110V 60hz / 220V 60hz
Power	220W
Air Flow Rate	340 m ³ /h
Noise	Lowest 36db
Filtration Effect	0.3 μ m 99.97%
Size	400x255x595mm
N.W	25kg
Diameter of Flange	75mm
Filters layer	4 layer + double UVC + plasma
Folding Arm Length	1.4 meter
Folding Arm Diameter	63mm



Note: Pipes Inlets Outlets can be customized according to customer needs

SUMMARY

dental clinics – off mouth aerosol suction extractor RD80-md effectively concentrated oral diagnosis and treatment process with bacteria aerosols, through the original high-efficiency filter layer can effectively absorb water vapor, equipping HEPA effective filter 99.99% droplets, aerosols, so that the air continues to fresh, clean, improve the cleanliness of the diagnosis and treatment environment, reduce cross-infection, to achieve the purpose of anti-infection.

FILTERS INTRODUCTION

RD80-md uses 4 layer filtration + 2 UVC lamps + plasma
It is made up of 1 piece of washable primary effective cotton and 1 piece of Water vapor absorbing filter and 1 piece of H14 HEPA and 1 piece of Active carbon.
The filtered gas will be sterilized.

MAJOR FUNCTION

The situation of the epidemic has slowed down, oral clinics around the beginning of the resumption of re-work, but because of the special nature of oral treatment, dentists to patients in the course of treatment will produce a large number of droplets and aerosols, which will cause the spread of viruses and bacteria, seriously affecting the health of doctors and patients. Zhongshan Ruiwan Co. , Ltd. carefully developed an aerosol equipment necessary for dental clinics – off mouth aerosol suction extractor RD80-md, effectively concentrated oral diagnosis and treatment process with bacteria aerosols, through the original high-efficiency filter layer can effectively absorb water vapor, equipping activated carbon and HEPA effective filter 99.99% droplets, aerosols, so that the air continues to fresh, clean, improve the cleanliness of the diagnosis and treatment environment, reduce cross-infection, to achieve the purpose of anti-infection.

INTRODUCTION TO STERILIZATION AND FILTRATION



RD80-md Standard Filters

First layer – Washable primary effective cotton

1. Period Frequency : 15 – 30 Days
2. Material : Aluminum alloy frame ; Washable synthetic fiber
3. Features : Preliminary filter droplets, aerosols, cutting dust debris, blood
4. Size : 360*220*20mm



Second layer – Water vapor absorbing filter

1. Period Frequency : 2 – 3 Month
2. Material : Aluminum alloy frame ; Special synthetic fiber
3. Features : Absorb all moisture and droplets and aerosols
4. Size : 360*220*100mm



Third layer – H14 HEPA

1. Period Frequency : 6 – 8 Month
2. Material : Aluminum alloy frame ; H14 glass fiber
3. Features : Blocking particles less than 0.3 micron
4. Size : 360*220*50mm



Fouth layer – Active carbon filter

Only for RD80-md

1. Period Frequency : 9 – 12 Month
2. Features : Absorb odor and fume
3. Material : Aluminum alloy frame ; Special activated carbon
4. Size : 360*220*50mm



Last layer – UVC disinfection lamp

RD80-md Standard Sterilize

1. Power : 10w x 2
2. Features : Disinfection and sterilization
3. Wavelength : 253.7nm



Last layer – Plasma Ionizer

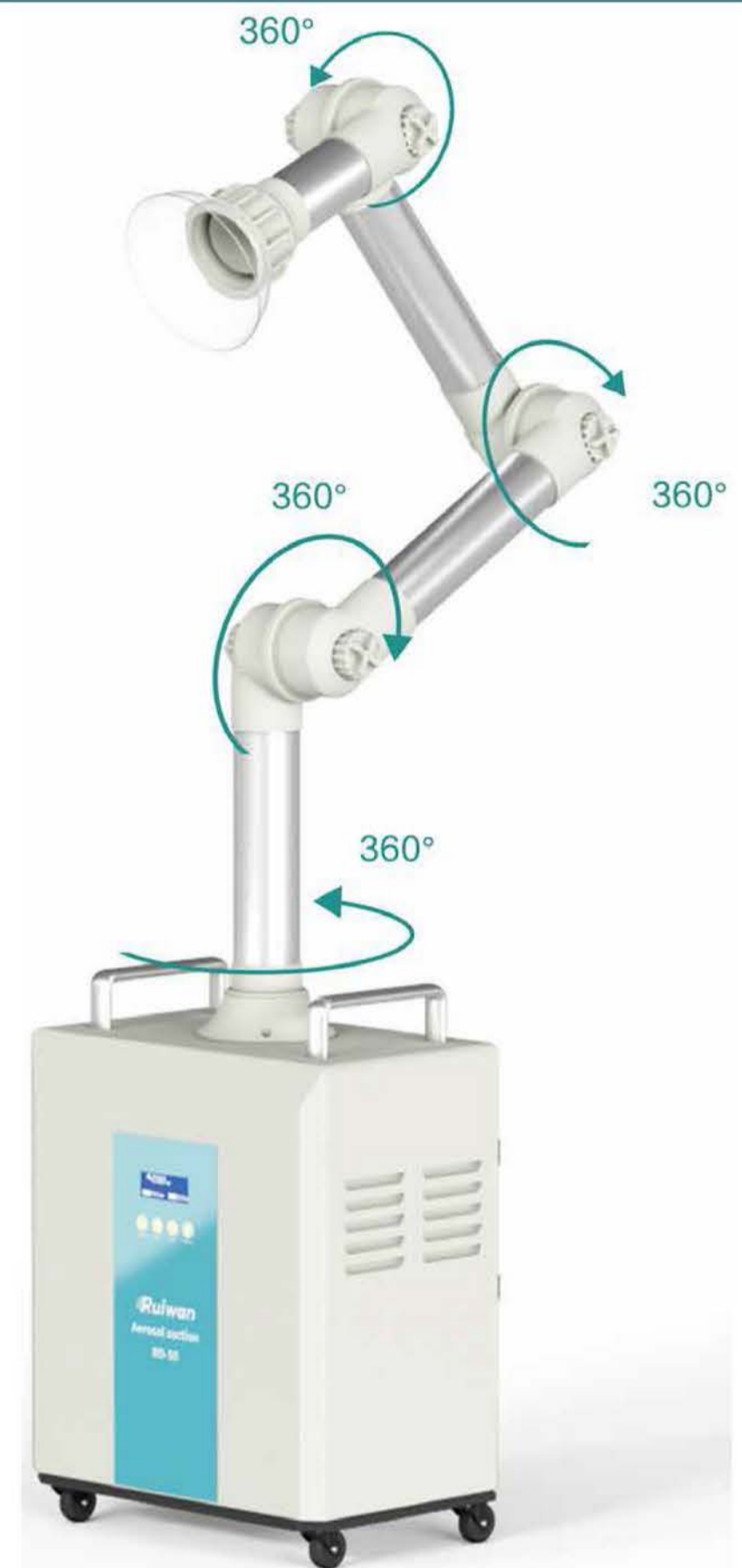
Options

1. Features : Disinfection and sterilization

WORKING PRINCIPLE

Complete purification process

- I The nozzle absorbs droplets
- II Washable primary effective cotton
- III Water vapor absorbing filter
- IV H14 HEPA
- V Active carbon filter
- VI DC Brushless Motor (Fan)
- VII Double UVC disinfection lamp
- VIII Plasma Ionizer
- IX Clean Emission



WORKING PRINCIPLE



RD80-md Absorption capacity

After testing, RD80-md can completely absorb the droplets generated from the patient's mouth and the aerosol staying in the air during oral diagnosis and treatment.

Appropriate air volume will not make customers feel uncomfortable and the sound of the machine is quieter than 35db due to the effect of sound insulation material.

Certificate

