

TECHNICAL SPECIFICATION

Model	RD50	RD80
Voltage	110V 60hz / 220V 60hz	110V 60hz / 220V 60hz
Power	180W	220W
Air Flow Rate	310 m ³ /h	340 m ³ /h
Noise	Lowest 52db	Lowest 52db
Filtration Effect	0.3 μ m 99.97%	0.3 μ m 99.97%
Size	400x255x545mm	400x255x595mm
N.W	21kg	24kg
Diameter of Flange	75mm	75mm
Filters layer	3 layer + UVC	4 layer + UVC
Folding Arm Length	1.4 meter	1.4 meter
Folding Arm Diameter	63mm	63mm



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

SUMMARY

carefully developed an aerosol equipment necessary for dental clinics – off mouth aerosol suction extractor RD50 and RD80 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

RD50 use 3 layer filtration + 1 UVC lamp

It is made up of 1 piece of washable primary effective cotton and 1 piece of Water vapor absorbing filter and 1 piece of H13 HEPA. The filtered gas will be sterilized.

RD80 use 4 layer filtration + 2 UVC lamp

It is made up of 1 piece of washable primary effective cotton and 1 piece of Water vapor absorbing filter and 1 piece of H13 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. carefully developed an aerosol equipment necessary for dental clinics – off mouth aerosol suction extractor RD50, 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



RD50 & RD80 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 – H13 HEPA

1. Period Frequency: 6 – 8 Month
2. Material : Aluminum alloy frame ; H13 glass fiber
3. Features : Blocking particles less than 0.3 micron
4. Size : 360*220*50mm



Fouth layer – Active carbon filter

Only for RD80

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



Last layer – UVC disinfection lamp

RD50 & RD80 Standard Sterilize

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

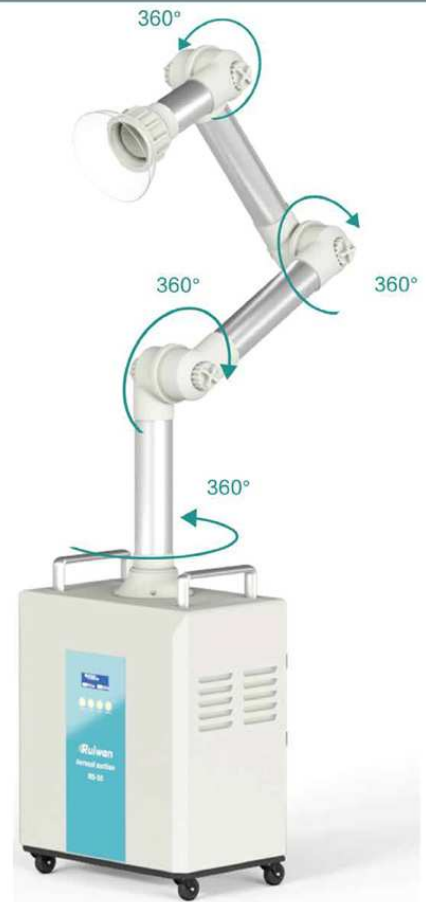
PACKING LIST

Model	RD50	RD80
Package Size	500x370x850 mm	500x370x900 mm
Grose Weight	25kg	28kg
CBM	0.157	0.157
Chargable Weight	31.5kg	33kg

WORKING PRINCIPLE

Complete purification process

- I The nozzle absorbs droplets
- II Washable primary effective cotton
- III Water vapor absorbing filter
- IV H13 HEPA
- V Active carbon filter
- VI DC Brushless Motor (Fan)
- VII UVC disinfection lamp
- VIII Clean Emission



WORKING PRINCIPLE



RD50 & RD80 Absorption capacity

After testing, RD50 and RD80 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



PONY