

**AJ12**

# DENTAL CHAIR

## DENTAL OPERATORY PACKAGES



# AJ12 Chair

Part number : A091201



## Standard Features



- AJ12 Electromechanical chair with 3 programmable positions,
- Articulating headrest,
- Swing out armrest,
- Steel backrest stand,
- Steel base plate,
- Chair safety switch,
- Wide backrest, Upgraded fiber leather,
- One touchpad attached on armrest, Foot control

# Specifications

## Environmental requirements

Ambient temperature 41°F ~ 104°F  
Humidity ≤ 80%  
Atmospherical pressure 8.7 psi ~ 15.4psi

## Electrical requirements

AC110V±22V  
50HZ, 60HZ

## Motor run time

Intermittent operation 30s on / 5min Off

## Weight

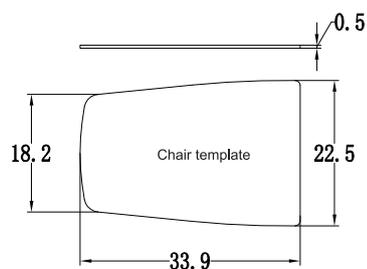
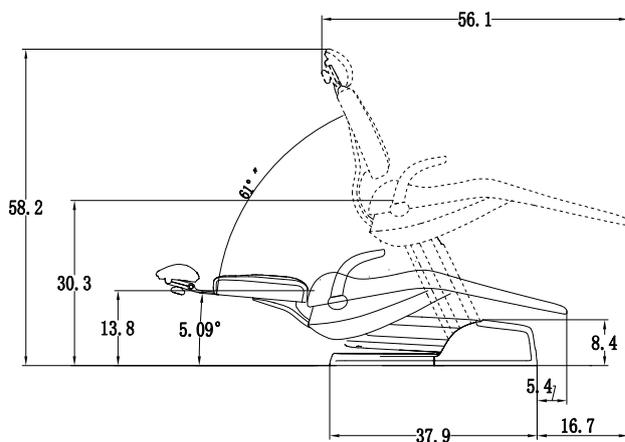
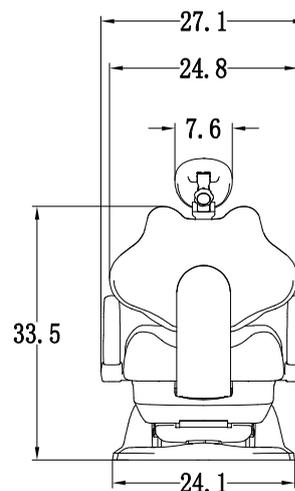
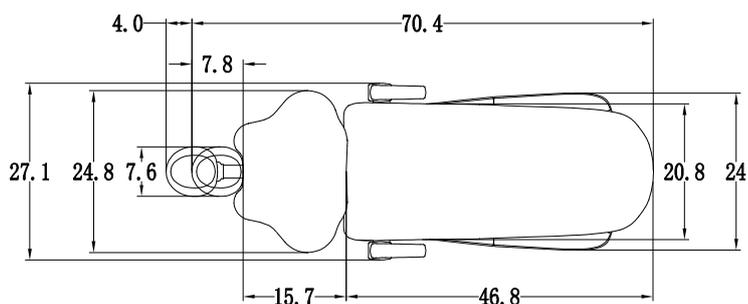
320lbs

## Max patient load

400lbs

# Dimensions

Unit:inch



# AJ12 Classic 100

Part number : A9121001



## Standard Features



- AJ12 EL chair with 3 programmable positions,
- Articulating headrest, Swing out armrest,
- Steel backrest stand, Steel base plate, Chair safety switch,
- Wide backrest, Upgraded fiber leather,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Classic 100 Post mounted utility (PMU) with steel side box,
- City water/bottled system, Water outlet and air QD, Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ12 Classic 101

Part number : A9121011



## Standard Features



- AJ12 EL chair with 3 programmable positions,
- Articulating headrest, Swing out armrest,
- Steel backrest stand, Steel base plate, Chair safety switch,
- Wide backrest, Upgraded fiber leather,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Remote toggles for cup fill, and bowl rinse, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles,
- Classic 101 Post mounted utility (PMU) with steel side box,
- City water/bottled system, Water outlet and air QD, Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ12 Classic 200

Part number : A9122001



## Standard Features



- AJ12 EL chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate, chair safety switch,
- One touchpad, Foot control,
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Chair mounted swing rear assistant vacuum package,
- Water outlet and air QD on assistant tray, Solids collector,
- 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ12 Classic 201

Part number : A9122011



## Standard Features



- AJ12 EL chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate, chair safety switch,
- One touchpad, Foot control,
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Swing mount Cuspidor and assistant vacuum package,
- City water/bottled system, Water outlet and air QD, Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# Upholstery Colors

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Brown U1



Champagne U2



Blue U3



Grey U5



Cobalt Blue U6



Misty Grey U7



Orange U8



Wine Red U10



Grass Green U11



Black U14



Jade U19



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 Technical Support: 800-488-9708 (West Coast: 626-633-7636 East Coast: 626-366-3848)

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**AJ15**

# DENTAL CHAIR

## DENTAL OPERATORY PACKAGES



# AJ15 Chair

Part number : A091502

Hydraulic chair with 3 programmable positions.  
Reliable hydraulic system makes powerful and stable movement.  
5 year warranty.



## Standard Features

- AJ15 hydraulic chair with 3 programmable positions,Articulating headrest
- 60 degrees seat rotation, chair safety switch, One touchpad attached on armrest, Foot control
- Swing up/down aluminium armrest, Narrow backrest,upgraded fiber leather
- Cast iron chair frame,Steel backrest stand, Steel base plate



Swing up/down aluminum armrest firmly holds the patient and facilitates the patient to enter and exit.



Articulating headrest offers perfect support for the patient. Adjust the angle and get the best view of the oral cavity.



Narrow backrest, steel backrest stand fully support the patient's back with ergonomic design. Butterfly shaped back offers wide space for doctors and enables you get as close to the patient as possible.



60 degree seat rotations satisfy all kinds of needs.



Japanese hydraulic pump provides sufficient power to support the chair's movement.



Steel base plate enables the chair moves steadily.



Foot control makes operation more convenient for doctors.

## Specifications

### Environmental requirements

Ambient temperature 41°F ~ 104°F

Humidity ≤ 80%

Atmospherical pressure 8.7 psi ~ 15.4psi

### Electrical requirements

AC110V±22V

50HZ, 60HZ

### Hydraulic pump run time

Intermittent operation 2min On / 18min Off

### Weight

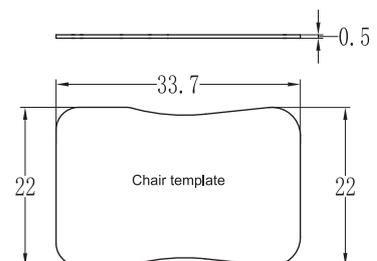
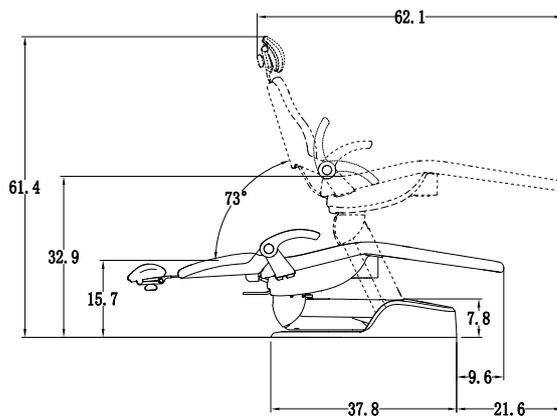
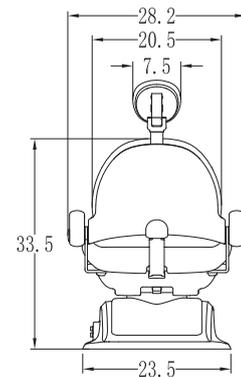
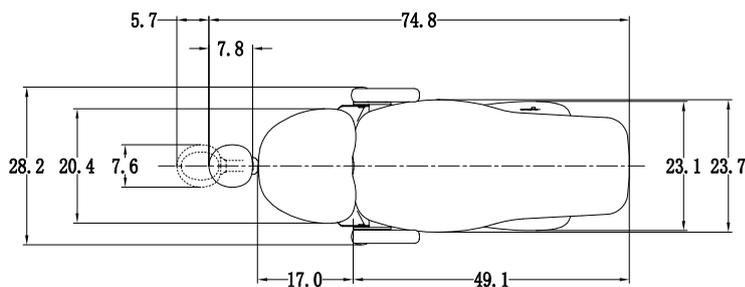
364lbs

### Max patient load

550lbs

## Dimensions

Unit:inch



# AJ15 Classic 100

Part number : A9151002



## Standard Features



- AJ15 hydraulic chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Narrow backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing, Handpiece flush system,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with slip-resistant pad, Flex arm air brake switch
- Classic 100 Post mounted utility (PMU) with steel side box,
- City water/bottled system, Water outlet and air QD,
- Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ15 Classic 101

Part number : A9151012



## Standard Features



- AJ15 hydraulic chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Narrow backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Remote toggles for cup fill and bowl rinse, Wet/Dry foot control,
- Stainless steel tray with slip-resistant pad, Flex arm air brake switch,
- Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles,
- Classic 101 Post mounted utility (PMU) with steel side box,
- City water/ bottled system, Water outlet and air QD,
- Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut- off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ15 Classic 200

Part number : A9152002



## Standard Features



- AJ15 hydraulic chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Narrow backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Chair mounted swing rear assistant vacuum package,
- Water outlet and air QD on assistant tray,
- Solids collector,
- 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ15 Classic 201

Part number : A9152012



## Standard Features



- AJ15 hydraulic chair with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Narrow backrest, upgraded fiber leather, Cast iron chair frame,
- Steel backrest stand, Steel base plate,
- 60 degrees seat rotation, chair safety switch,
- One touchpad attached on armrest, Foot control
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with slip-resistant pad, City/bottled water system,
- 5 ft umbilical, Junction box with air/water filters, regulators, master shut-off valves,
- Swing mount Cuspidor and assistant vacuum package,
- Cuspidor and assistant vacuum package,
- Water outlet and air QD on assistant tray,
- Solids collector, 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# Upholstery Colors

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Brown U1



Champagne U2



Blue U3



Grey U5



Cobalt Blue U6



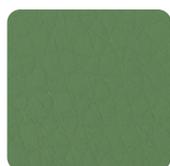
Misty Grey U7



Orange U8



Wine Red U10



Grass Green U11



Black U14



Jade U19



ADS Dental System

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**AJ16**

# DENTAL CHAIR

## DENTAL OPERATORY PACKAGES



# AJ16 Chair

Part number : A091602

Luxury hydraulic chair with 3 programmable positions.  
Reliable hydraulic system makes powerful and stable movement.  
5 year warranty.



## Standard Features

- Luxury Modern Superior
- With 3 programmable positions and reliable system
- AJ16 moves stably, providing exceptional comfort for patients and helping them release



Swing up/down aluminum armrest firmly holds the patient and facilitates the patient to enter and exit.



Articulating headrest offers perfect support for the patient. Adjust the angle and get the best view of the oral cavity.



Wide backrest, cast aluminum backrest stand fully support the patient's back with ergonomic design. Butterfly shaped back offers wide space for doctors and enables you get as close to the patient as possible.



60 degree seat rotations satisfy all kinds of needs.



Japanese hydraulic pump provides sufficient power to support the chair's movement.



Cast aluminum base enables the chair moves steadily.



Foot control makes operation more convenient for doctors.

## Specifications

### Environmental requirements

Ambient temperature 41°F ~ 104°F

Humidity ≤ 80%

Atmospherical pressure 8.7 psi ~ 15.4psi

### Electrical requirements

AC110V±22V

50HZ, 60HZ

### Hydraulic pump run time

Intermittent operation 2min On / 18min Off

### Weight

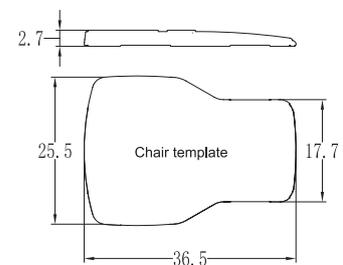
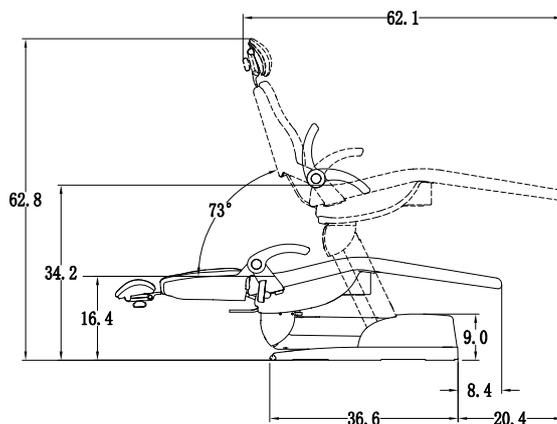
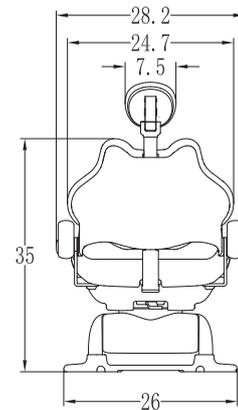
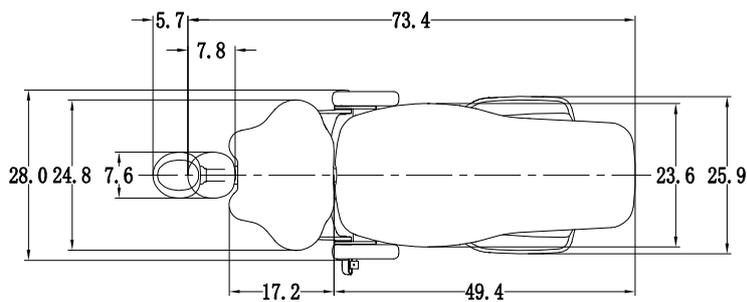
366lbs

### Max patient load

550lbs

## Dimensions

Unit:inch



# AJ16 Classic 100

Part number : A9161002



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Classic 100 Post mounted utility (PMU) with steel side box,
- City water/bottled system, Water outlet and air QD,
- Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Classic 101

Part number : A9161012



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Remote toggles for cup fill and bowl rinse, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles.
- Classic 101 Post mounted utility (PMU) with steel side box,
- City water/ bottled system, Water outlet and air QD,
- Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Classic 200

Part number : A9162002



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Chair mounted swing rear assistant vacuum package,
- Water outlet and air QD on assistant tray,
- Solids collector,
- 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Classic 201

Part number : A9162012



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Swing Classic dentist's control head with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Swing mount Cuspidor and assistant vacuum package,
- Water outlet and air QD on assistant tray,
- Solids collector,
- 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Beyond 300

Part number : A9163004

AJ16 Beyond 300 Continental

Part number : A9163005



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Beyond luxury dentist's control head, Standard touchpad,
- Cast aluminium delivery head base, double pivot delivery head,
- with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Beyond 300 Post mounted utility (PMU) with silver side box,
- City water/bottled system, Water outlet and air QD,
- Swing assistant tray with touchpad,
- Solids collector,
- 2 HVE, 1SE, 1 syringe, Aluminium base Junction box with air/water filters, regulators, master shut-off valves,
- 6' internal umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Beyond 301

Part number : A9163014



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Beyond luxury dentist's control head, Standard touchpad,
- Cast aluminium delivery head base, double pivot delivery head,
- with 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with non-slip pad, Flex arm air brake switch,
- Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles.
- Beyond 301 Post mounted utility (PMU) with silver side box,
- City water/bottled system, Water outlet and air QD,
- Solids collector,
- 2 HVE, 1SE, 1 syringe on telescoping assistant's control,
- Junction box with air/water filters, regulators, master shut-off valves,
- 5 ft. umbilical,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Beyond 400

Part number : A9164004

AJ16 Beyond 400 Continental

Part number : A9164005



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad attached on armrest, Foot control,
- Swing Beyond dentist's control head, Standard touchpad,
- Cast aluminium delivery head base, double pivot delivery head,
- 3 auto H.P. control, Individual water coolant controls,
- Master handpiece air coolant adjustment, Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe,
- Wet/Dry foot control, Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Chair mounted swing rear assistant vacuum package,
- Assistant touchpad, Water outlet and air QD on assistant tray,
- Solids collector, 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# AJ16 Beyond 401

Part number : A9164014



## Standard Features



- AJ16 Luxury hydraulic chair, with 3 programmable positions,
- Articulating headrest, Swing up/down aluminium armrest,
- Wide backrest, upgraded fiber leather, Cast iron chair frame,
- Cast aluminium backrest stand, Cast aluminium base,
- 60 degrees seat rotation, chair safety switch,
- One touchpad, Foot control,
- Swing Beyond dentist's control head, Standard touchpad,
- Cast aluminium delivery head base, double pivot delivery head,
- 3 auto H.P. control,
- Individual water coolant controls,
- Master handpiece air coolant adjustment,
- Asepsis handpiece tubing,
- Master on/off switch, 1 doctor syringe, Wet/Dry foot control,
- Stainless steel tray with non-slip pad,
- City/bottled water system, 5 ft umbilical,
- Junction box with air/water filters, regulators, master shut-off valves,
- Chair mounted swing rear cuspidor and assistant vacuum package,
- Assistant touchpad, Water outlet and air QD on assistant tray,
- Solids collector,
- 2 HVE, 1SE, 1 syringe,
- Post mount LED light with sensor control, 3 level intensity adjustment

# Upholstery Colors

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Brown U1



Champagne U2



Blue U3



Grey U5



Cobalt Blue U6



Misty Grey U7



Orange U8



Wine Red U10



Grass Green U11



Black U14



Jade U19



ADS Dental System

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 Technical Support: 800-488-9708 (West Coast: 626-633-7636 East Coast: 626-366-3848)

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 Instagram: ADS Dental



**Amber II LED Light with arm and bushing**  
 Part number  
**A0600670**



**Post mount Amber II LED Dental Light 30"/40"**  
 Part number  
 30" Post mount **A0602670**  
 40" Ortho Post mount **A0602672**



**Cabinet mount Amber II LED Dental Light  
 (cabinet not included)**  
 Part number  
**A0601674**



**Wall mount Amber II LED Dental Light**  
 Part number  
**A0606670**



**Ceiling mount Amber II LED Dental Light**  
 Part number  
**A0601671** 8' Ceiling mount  
**A0601672** 9' Ceiling mount  
**A0601673** 10' Ceiling mount

# Amber II Dental LED Light



2023 version1



# Amber II

## Dental LED Light

### Standard Features

Power input: AC24V  
Illuminance: 8000-40000 lux

Color temperature  
White light: 5200k  
Yellow Light: 3500k

Composite Light: 4400k-5200k  
Power consumption: <10W

Amber II LED Light head

Part number

**A121715**



3 axis head rotation



Composite light



Yellow light



White light

Easy switch of 3 operating modes through the upper sensor White light, yellow light and composite light



on/off control



Intensity control  
Adjusting color temperature through touching the upper sensor



ADS Dental System

# AJ11 Surgical Chair

Part number: A0901031



*Uncompromising quality  
at an affordable price*



ADS Dental System

# ■ AJ11 Surgical Chair

## • Uncompromising quality and support

- Surgical Chair provides dentists with uncompromising quality and perfect support during complicated treatments. Benefits from an optimum ergonomic posture at all times as well as a comfortable lying position for patients, which seems that improved working spaces increased their enjoyment of dentistry.



## • Perfect surgical comfort

- You can adjust the patient position intraoperatively, from an upper to a lower jaw position, with maximum patient comfort. This way, you can position the operating table individually and set the correct anatomical posture quickly, which is especially handy for repetitive surgeries. With well-organised processes before, during and after surgery, you save time and money.



## • Suitable for vulnerable groups

- Providing one of the operating tables with the lowest possible seating positions on the market, Surgical Chair is easy for elderly patients, children and patients with restrictions of movement to get on the table. The dual telescopic column enables the surgeon to operate at optimal stability while standing or sitting.

## • Premium quality at an affordable price

- The Surgical Chair is the first choice if you do not need longitudinal axis tilting. Wisely select high-quality materials, ADS provides an economical solution that is premium quality at an affordable price.

## • Multiple colors to be selected

- Customized color in your dental chairs to take a cue from the colors you personally like. We collaborate with our dealers to create innovative and customized color ranges in product line are supported by key color messaging. Now you can select the one between Black or Blue.

## • Maximum leg room

- With the Surgical Chair, you benefit from maximum leg room as well. Assume a relaxed posture for a working experience that is easy on the back even during complicated or lengthy surgeries.

**Benefit from quick and identical processes and position your patients as desired at the push of a button, using either the hand-held remote control or foot control.**

## • Hand Control

- Intuitive Operation
- Easy handling



## • Foot Control

- Hands-free during work
- Contamination-free work
- Carrying handle to position the foot switch with the foot

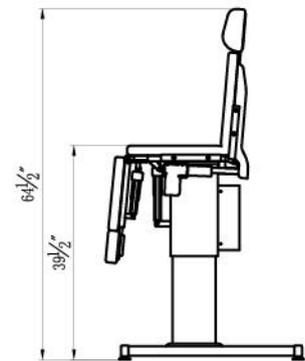
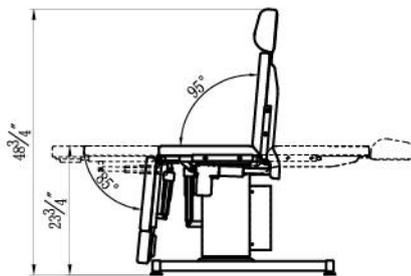
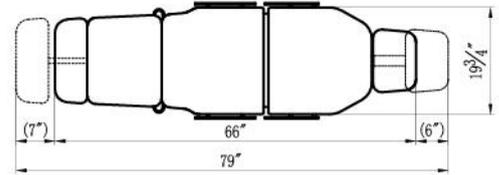
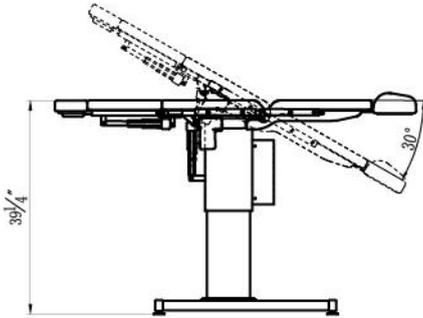




ADS Dental System

## Dimensions

Unit:inch



## Specifications

Weight	276lbs(125Kg)
Max patient load	298lbs(135Kg)
Electrical requirements	AC110~240V 50/60Hz
Environmental requirements	+10°C ~ +40°C
Humidity	30% ~ 75%
Atmospherical pressure	10.2psi~15.4psi (70kPa ~ 106kPa)

www.adsdental.com www.adsequip.com

Tel:(626)620 0456 sales@adsequip.com

Technical support:800 488 9708 Add:1590 S Milliken Ave., unit A, Ontario, CA 91761

@ADS Dental



## Product Parameter

Model	Light source	Illuminance	Size of illuminance field	Color temperature	Color rendering index (CRI)	
Whale	4 light-emitting diodes (LED)	Adjustable from < 8,000 to > 25,000 lux according to ISO 9680	80mm×160mm@700m	5,000K-5500K	Ra≥90, Rf≥90	
	<b>On/Off control</b>		<b>Dimming control</b>		<b>Power input</b>	
	Non-touch sensor		Non-touch sensor		AC 12 or AC 24V (Preset before delivery)	
	<b>Power consumption</b>		<b>Degree of protection against ingress of water</b>		<b>Mode of operation</b>	
	< 15W		Ordinary equipment (IPX 0 - without protection against ingress of water)		Continuous operation	
	<b>Transport and storage conditions</b>			<b>Operating conditions</b>		
	<b>Temperature</b>		-40℃~+70℃		<b>Ambient temperature</b>	
	Relative humidity		10%-95%		Relative humidity	
					30%-85%	
	<b>Illuminance diagram</b>			<b>Dimension of light head, movement and mounting</b>		

**ADS**  
ADS Dental System

*Whale*



Post mount Whale LED Dental Light 30"/40"

Part number:

A0602600 30" Post mount  
A0602602 40" Ortho Post mount



Ceiling mount Whale LED Dental Light

Part number:

A0601601 8' Ceiling mount  
A0601602 9' Ceiling mount  
A0601603 10' Ceiling mount

2020 version1

Technical support: 800 488 9708

Add: 1590 S Milliken Ave., unit A, Ontario, CA 91761

Tel: (626) 620 0456

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# Whale

LED Dental Operating Light

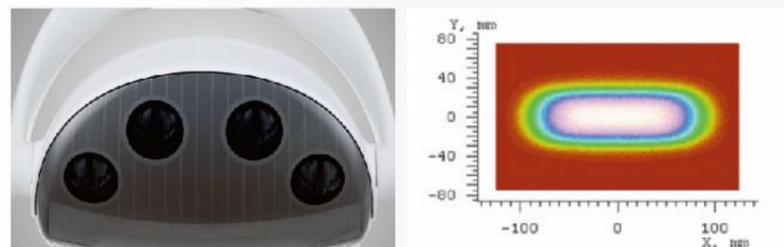


*Perfect experience of the unique features*



Comfortable vision

Comfortable, tireless, clear view under NiceDay's Color and Intensity uniform light pattern, unique feather like soft boundary take away the tiresome sharp change of light.



Part number: A121709



Easy to clean

Hygiene, Hygiene and hygiene! Niceday take all the opportunities available for better performance of hygiene. Non-touch sensor for ON/OFF and dimming, Press button release handle for cleaning. Enclosed simple over all shape, as less seams as possible, but still looks so great that will improve the image of your practice!



Smooth & accurate movement

Confident adjustment of the light beam, the all 3-Axes moving hinge is designed to duplicate the accurate and comfortable feeling of the fine turning of high end Camera's lens. Each movement become an Enjoyment!



Long service life

High quality LED from leading international company, driven by state of art IC, Aluminum casting shell as main heat sink, all these guarantee the 30,000 Hours expected service life of the LED light source.



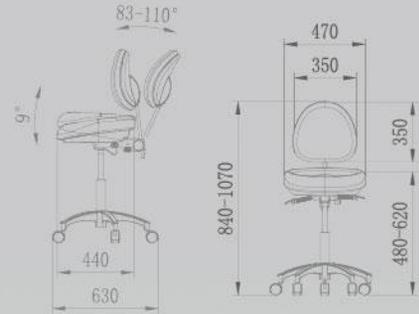
# Dental Stools



## D3 Doctor stool

Part number: A080103

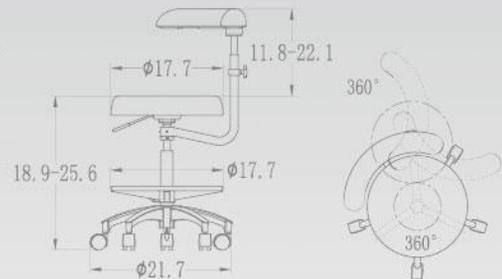
Chrome plated pneumatic cylinder  
 Height adjustment,  
 Backrest forward backward adjustment,  
 Seat surface adjustment,  
 Contoured seat & back,  
 Fiber leather upholstery  
 Cast aluminum star,  
 Quiet twin wheel casters,  
 1 year warranty



## N4 Assistant stool

Part number: A080224

Round seat,  
 Fiber leather upholstery,  
 Chrome plated pneumatic cylinder  
 Adjustable chrome foot ring  
 Cast aluminum star  
 Ratcheting body support,  
 1 year warranty



Color sample  
 (Fiber leather)



Technical support: 800 488 9708

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[sales@adsequip.com](mailto:sales@adsequip.com)



ADS Dental System



# AJ12 EL Orthodontic







# EOS Extraoral Suction System

This document is intended for the exclusive use for improving the understanding of the EOS Suction System operation principle. If you can not find out any satisfied answers here, please contact to ADS services center directly.



**The EOS Extraoral suction system is designed to absorb aerosols and droplets coming out of the patient's oral cavity to reduce the risk of infection to dentists, staff and patients.**

**ADS EOS Extraoral suction system, is a suction filtration piece of equipment, the system does not have an air disinfection function, it is NOT an air sterilizer.**

**Proper precautions must still be taken to protect themselves and their patients.**

# **Droplets & Aerosols Terminator**

# Technical Specifications

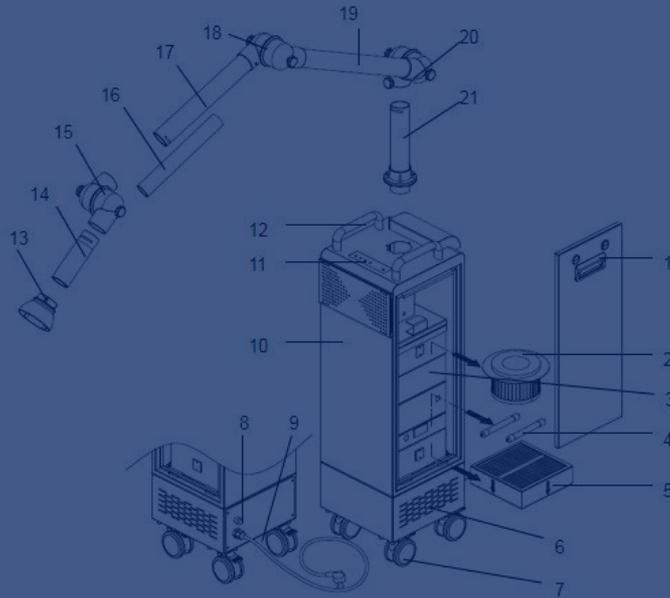


EOS Technical Specifications			
<b>Model</b>	EOS Extraoral Suction System		
<b>Voltage</b>	AC110V 60Hz	Electric current	12-20A
<b>Power</b>	1160W	Fuse wire	20A 250V
<b>Flow</b>	105CFM	Suction Power	10KPa (10 Different Levels)
<b>Fine Filter</b>	F8	Average Efficiency (EM) for 0.4MM particles (%),90<EM<95 Minimum efficiency* for 0.4MM particles (%),55 ( F8 matches European standard EN 779:2012 and ISO16890)	
<b>HEPA Filter Level</b>	H14	H14, blocking virus and germs $\geq 0.3\mu\text{m}$ with 99.995% filtration efficiency (H14 matches European standard EN 1822:2009, ISO16890 and DOE-STD-3020-2015 Specification for HEPA Filters Used by DOE Contractors)	
<b>Noise Decibel</b>	58dB (Tested under laboratory environment and 0.6-0.89 Inch distance from the suction mouth piece hood)		
<b>Suction Arm Caliber</b>	$\Phi 2''$		
<b>Size (millimeter )</b>	275*275*980mm	275*275*980mm	

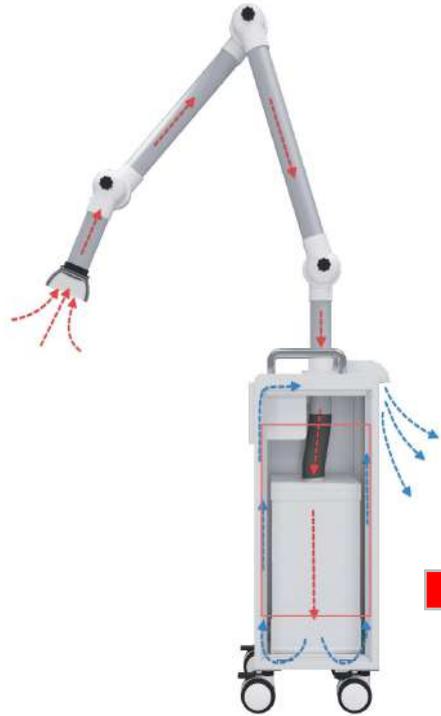
UV Light Specifications			
<b>Type</b>	UVC	Lamp Tube Length	5.3"
<b>Lamp Tube Caliber</b>	0.6"	Lamp Cap Caliber	0.7"
<b>Wave Length</b>	254nm	Glass Tube	Ozone-free quartz glass
<b>Power(W)</b>	4W	Voltage (V)	30 $\pm$ 15%
<b>Electricity (mA)</b>	145 $\pm$ 15%	Radiation Intensity ( $\mu\text{W}/\text{cm}^2$ )	$\geq 8 @ 39.4''$
<b>Steady time (min)</b>	5	Average Lifetime (h)	> 8000 (Continuous use)
<b>Lamp Cap</b>	G5 Aluminum head	Wire Material	Molybdenum Wire
<b>Gas-filling</b>	Pure Argon	Mercury	Pure Liquid Mercury<15mg

Packing Specifications		
	Suction arm	Case
<b>Packing Size</b>	27.2*10.2*9 inch	14.0*14.2*39.4 inch
<b>Net Weight</b>	2.8 lbs	94.2lbs
<b>Gross Weight</b>	5 lbs	98.6lbs

# Product Structure



1	8026695	Case Panel	12	8026722	Handle
2	8026722	Fine Filter	13	A121945	Suction Mouth Piece Hood
3	8026635	Motor	14	8026746	Suction arm of the third joint
4	8026623	UV-C Light	15	A121944	The third joint
5	8026563	HEPA filter	16	8026608	Noise filter stick
6	8027319	Transformer	17	A121943	Suction arm of the second joint
7	8026605	Castor	18	A121942	The second joint
8	8027343	Fuse 6GFU-F25A250V	19	A121941	Suction arm of the first joint
9	8027340	Power cable	20	A121940	The first joint
10	8026686	Case	21	A121939	Centre Post of the first joint
11	8027316	Panel sticker			



## Operation Principle

The EOS system collects aerosols, droplets, dust and pathogens produced during routine dental procedures through a suction mouthpiece hood. Particulate matter is filtrated by the dust/particulate filter. The HEPA filter captures particles down to 0.3 microns with 99.995% efficiency. Clean dry air is exhausted from the base cabinet.

The UVC lights are positioned on the HEPA filter and kills any remaining bacteria and viruses captured by the HEPA filter and are exhausted from the cabinet base.

The second filter bank usually consists of high-efficiency filters. This filtration system is adequate for most patient-care areas in ambulatory-care facilities and hospitals, including the operating room environment and areas providing central services.<sup>120</sup> Nursing facilities use 90% dust-spot efficient filters as the second bank of filters,<sup>120</sup> whereas a HEPA filter bank may be indicated for special-care areas of hospitals. HEPA filters are at least 99.97% efficient for removing particles  $\geq 0.3$   $\mu\text{m}$  in diameter. (As a reference, *Aspergillus* spores are 2.5–3.0  $\mu\text{m}$  in diameter.) Examples of care areas where HEPA filters are used include PE rooms and those operating rooms designated for orthopedic implant procedures.<sup>35</sup>

Maintenance costs associated with HEPA filters are high compared with other types of filters, but use of in-line disposable prefilters can increase the life of a HEPA filter by approximately 25%. Alternatively, if a disposable prefilter is followed by a filter that is 90% efficient, the life of the HEPA filter can be extended ninefold. This concept, called progressive filtration, allows HEPA filters in special care areas to be used for 10 years.<sup>213</sup> Although progressive filtering will extend the mechanical ability of the HEPA filter, these filters may absorb chemicals in the environment and

 **HEPA**

**UV  
Light**  


**Why do we use HEPA+ UV-C light?**

**HEPA filters are at least 99.997% efficient for removing particles greater than 0.3 microns in diameter, examples of care areas where HEPA filters are used include PE rooms and those operating rooms designated for orthopedic implant procedures.**

**UV Light**  
**In a supplemental air-cleaning measure, UVGI is effective in reducing the transmission of airborne bacterial and viral infections in hospitals.**

Guidelines of infection control from CDC.  
<https://www.cdc.gov/infectioncontrol/guidelines/environmental/background/air.html>

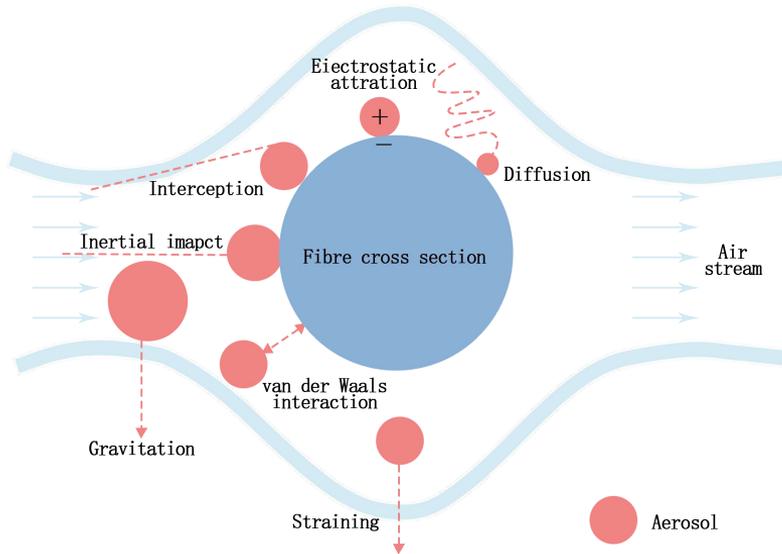
### c. Ultraviolet Germicidal Irradiation (UVGI)

As a supplemental air-cleaning measure, UVGI is effective in reducing the transmission of airborne bacterial and viral infections in hospitals, military housing, and classrooms, but it has only a minimal inactivating effect on fungal spores.<sup>223–228</sup> UVGI is also used in air handling units to prevent or limit the growth of vegetative bacteria and fungi. Most commercially available UV lamps used for

## What is a HEPA filter? HEPA (High Efficiency Particulate Air Filter)

HEPA is an acronym which stands for High Efficiency Air Particulate, which is made by the fiberglass that is a disorder fibrous mat arranged. The fiberglass caliber is 0.5~2.0 micron and its high level of filtration efficiency for the smallest as well as the largest particulate contaminants can stop virus and germs  $\geq 0.3\mu\text{m}$  with 99.995% efficiency.

The HEPA filter is developed during the period of the Manhattan Project that belongs to the US Nuclear Weapons Development, and it was used to capture extreme and dangerous radioactive particles. Nowadays, when scientists found out its high efficiency for capturing Droplets, Aerosols, and the particles of Bacteria & viruses, the HEPA filter is used in the medical industry at large.



## Filtration Mechanisms

There are four basic ways media captures particles:

### Inertial Impaction

Inertia works on large, heavy particles suspended in the flow stream. These particles are heavier than the fluid surrounding them. As the fluid changes direction to enter the fiber space, the particle continues in a straight line and collides with the media fibers where it is trapped and held.

### Diffusion

Diffusion works on the smallest particles. Small particles are not held in place by the viscous fluid and diffuse within the flow stream. As the particles traverse the flow stream, they collide with the fiber and are collected.

### Interception

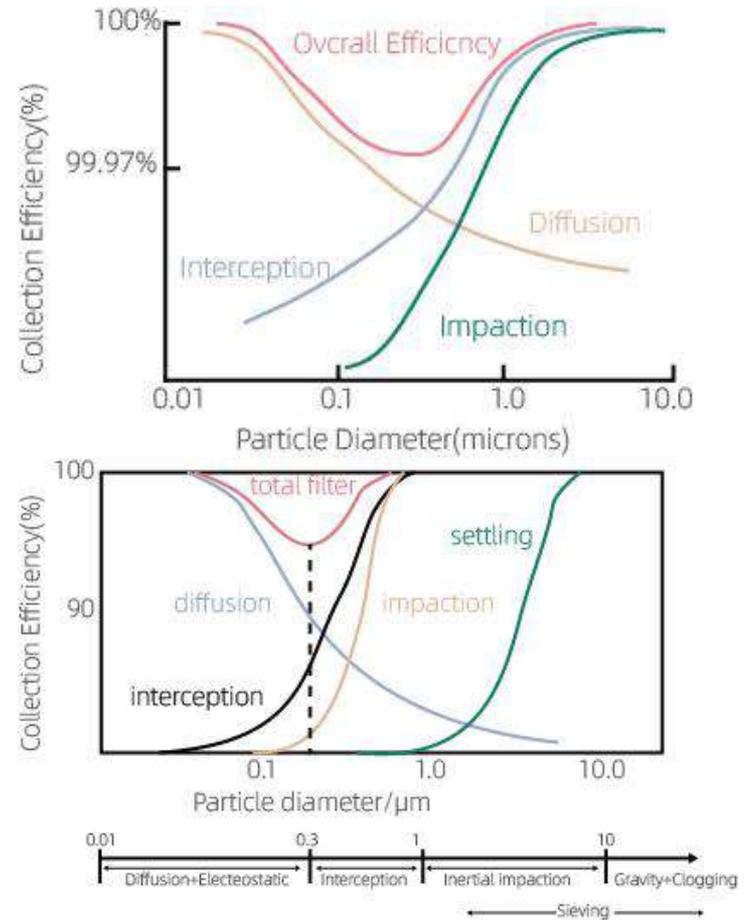
Direct interception works on particles in the mid-range size that are not quite large enough to have inertia and not small enough to diffuse within the flow stream. These mid-sized particles follow the flow stream as it bends through the fiber spaces. Particles are intercepted or captured when they touch a fiber.

### Sieving

Sieving, the most common mechanism in filtration, occurs when the particle is too large to fit between the fiber spaces.

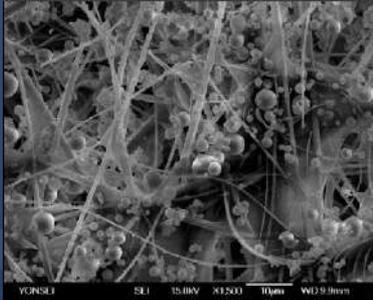
## What Are The Principles Behind Filtration?

The filter efficiency chart below a filter that is approximately 90% efficient against a range of particle sizes. A HEPA filter would follow the same filtration principles but would have a total filtration efficiency greater than 99.97%. In other words, the worst that a HEPA filter would perform would be to capture 99.97% of particles.



**Smallest Viruses 0.02um ,Coronavirus 0.1um, MPPS 0.3um  
Bacteria 0.5um,PM 2.5 2.5um,PM 10 10um**

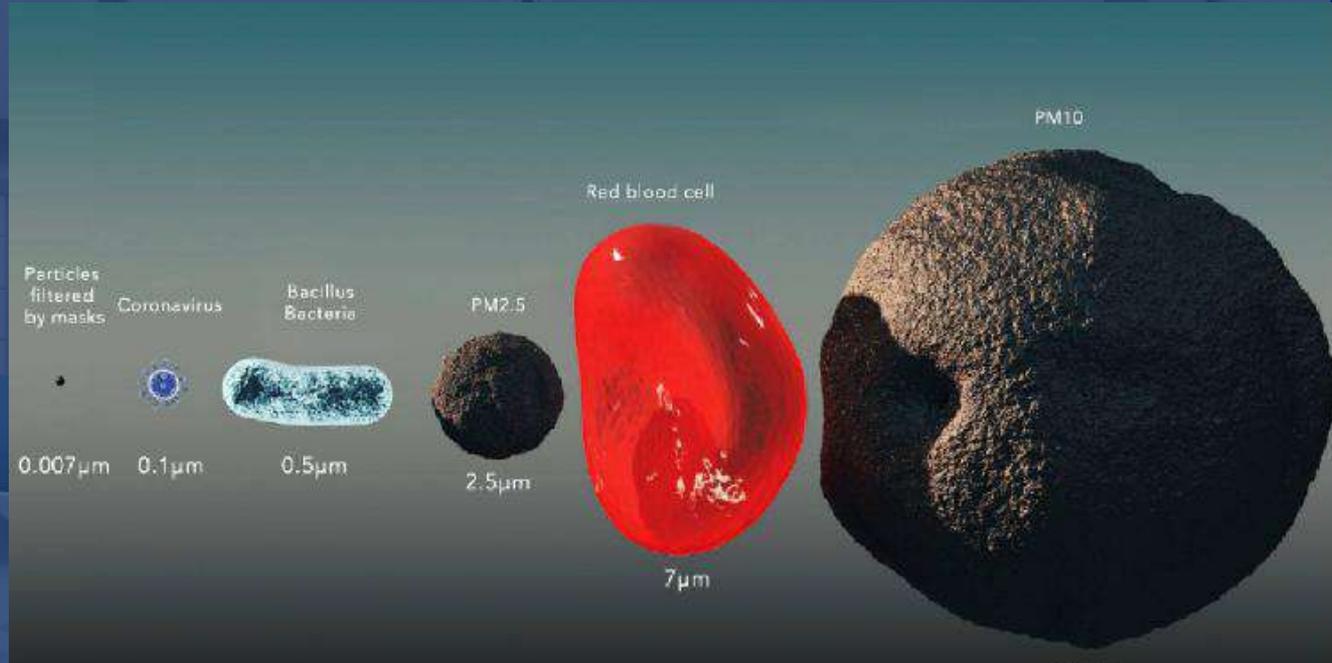
# Will the smallest viruses pass through the HEPA filter?



Enlarge 1500 times to inspect the particles captured by HEPA filter.

The virus sizes are within with  $0.02\mu\text{m} \sim 0.3\mu\text{m}$ . The corona virus size is  $0.15\mu\text{m}$  around. Both of them are captured by the HEPA filter through the diffuse and static effect.

As the Filtration Mechanisms we learn above, the 0.3 micron benchmark is used in efficiency ratings, because it approximates the most difficult particle size for a filter to capture. HEPA filters are even more efficient in removing particles that are smaller than 0.3 microns and larger than 0.3 microns. The fact that a HEPA filter's removal efficiency increases as particle size decreases below 0.3 microns is counter intuitive. However, this is a proven and accepted fact in the filtration sciences.



Usage	Class	Performance	Performance test	Particulate size approaching 100%retention	Test Standard
Coarsr filters (used as promary)	G1	60%	Average value	>5um	BS EN779
	G2	65-80%	Average value	>5um	BS EN779
	G3	80-90%	Average value	>5um	BS EN779
	G4	90%-	Average value	>5um	BS EN779
Fine filters (used as Secondary)	M3	40-60%	Average value	>5um	BS EN779
	M6	60%80	Average value	>2um	BS EN779
	F7	80-90%	Average value	>2um	BS EN779
	F8	90-95%	Average value	>1um	BS EN779
	F9	95%-	Average value	>1um	BS EN779
Semi HEPA	E10	85%	Average value	>1um	BS EN1822
	E11	95%	Average value	>0.5um	BS EN1822
	E12	99%	Average value	>0.5um	BS EN1822
HEPA	H13	99.95%	Average value	>0.3um	BS EN1822
	H14	99.995%	Average value	>0.3um	BS EN1822
ULPA	U15	99.9995%	Average value	>0.3um	BS EN1822
	U16	99.99995%	Average value	>0.3um	BS EN1822
	U17	99.999995%	Average value	>0.3um	BS EN1822

# Classification of filter classes and standards

# **In ISO16890, European standard EN 1822:2009, EN 779:2012 and DOE-STD-3020-2015**

**Specification for HEPA Filters Used by DOE Contractors, all mention HEPA filter H14 is medical grade filter which filter minimum 99.97% particles @ 0.3 microns (PM 0.3) or larger.**

When you are dealing with filtering viruses and bacteria from the air you want an air purifier with a medical-grade HEPA filter. Medical-grade refers to top tier H13 or H14 efficiency rated filters which will filter minimum 99.97% particles @ 0.3 microns (PM 0.3) or larger. These filters are relied upon in infection control isolation rooms and operating theaters. Made from a very fine pleated paper they maintain minimum efficiency at 99.95% or 99.995% @ 0.3 microns for the life of the filter. Most viruses are estimated to be 0.1-0.125 microns in size. H13/H14 HEPA are effective in filtering approx. 95% or greater of particles @ 0.1 microns. The CDC recommends N95 masks for front line medical workers which filter 95% @ 0.3 microns to reduce exposure and chances of infection. The EOS is using H14 HEPA filter is much more effective than N95.



NOT MEASUREMENT  
SENSITIVE

DOE-STD-3020-2015  
June 2015  
Supersedes DOE-STD-3020-2005  
December 2005

## DOE TECHNICAL STANDARD

Specification for HEPA Filters Used by DOE  
Contractors



U.S. Department of Energy  
Washington, D.C. 20585

AREA SAFT

- Consider the use of a portable HEPA air filtration unit while the patient is actively undergoing, and immediately following, an aerosol-generating procedure.
  - The use of these units will reduce particle count (including droplets) in the room and will reduce the amount of turnover time, rather than just relying on the building HVAC system capacity.
  - Place HEPA unit within vicinity of patient's chair, but not behind DHCP. Ensure DHCP are not positioned between the unit and the patient's mouth. Position the unit to ensure that it does not pull air into or past the breathing zone of the DHCP.

**In response to the COVID-19 pandemic in the United States, in March, 2020, CDC recommended that dental settings should prioritize urgent and emergency visit\* and delay elective visits and procedures to protect staff and preserve personal protective equipment and patient care supplies, as well as expand available hospital capacity.**



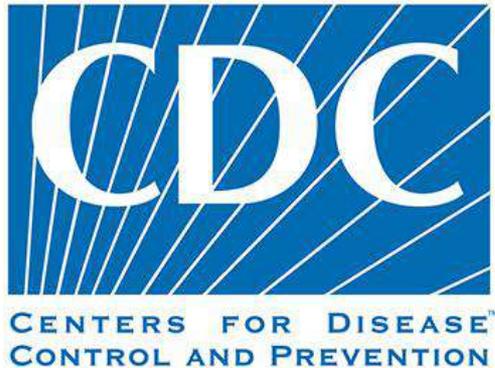
## **Why we don't choose ULPA U<sub>17</sub> to be the filter in the EOS?**

The filtration result of ULPA is better than HEPA for sure, but on the other hand, the density of the fiberglass filter is also higher than a HEPA filter, so the suction will be weaker, because the wind resistance is higher, this will make the suction system with low efficiency. Secondly, the life of the ULPA is shorter than HEPA, because the density is higher so it is easy to be full, probably use half a year or shorter time, it need to be replaced. Thirdly, most of the surgical rooms in hospitals are using H14 HEPA filter, the result has been proven.

Compare with all the reasons, H14 HEPA is the best choice for our suction system.

## Use UV Light To Be a Supplement

- CDC guidelines for Environmental Infection Control in Health-Care Facilities require HEPA filter is the primary means of cleaning the air, and UV light as a supplemental air-cleaning measure, UVGI is effective in reducing the transmission of airborne bacterial and viral infections in hospitals, military housing, and classrooms, but it has only a minimal inactivating effect on fungal spores.



- The checklist in "Recommendations of CDC and the Healthcare Infection Control Practices Advisory Committee (HICPAC)" is a document we should all be using. It gives dental manufacturers all the recommendations from the CDC in one place and allows ADS to evaluate our own program.



### Guidelines for Environmental Infection Control in Health-Care Facilities

Recommendations of CDC and the Healthcare Infection Control Practices Advisory Committee (HICPAC)

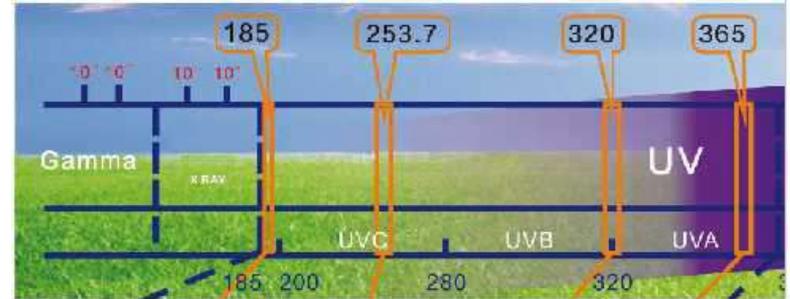
U.S. Department of Health and Human Services  
Centers for Disease Control and Prevention (CDC)  
Atlanta, GA 30329

2003  
Updated: July 2019

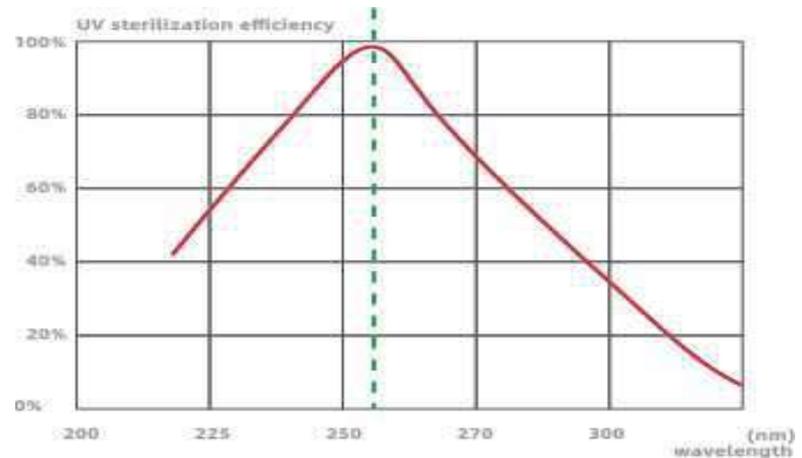
Guidelines for Environmental Infection Control in Health-Care Facilities, CDC  
<https://www.cdc.gov/infectioncontrol/guidelines/environmental/background/air.html>  
<https://www.cdc.gov/infectioncontrol/guidelines/disinfection/disinfection-methods/miscellaneous.html>

# What is UV Light?

- UV(Ultraviolet) Light refers to the region of the electromagnetic spectrum between visible light and X-rays, with a wavelength falling between 400 and 10 nanometers. This electromagnetic radiation is not visible to the human eye, because it has a shorter wavelength and higher frequency than the light our brain perceives as images.
- An easy way to remember UV light's placement on the electromagnetic spectrum is to examine the ends of the visible light spectrum: Red is the light with the longest wavelength, and Violet is the light with the shortest wavelength. Therefore, light with a wavelength longer than any light in the visible spectrum is called Infrared Light, and light with a wavelength immediately shorter than any light in the visible spectrum is called Ultraviolet Light.



**UVC–The killer of the bacteria and viruses**

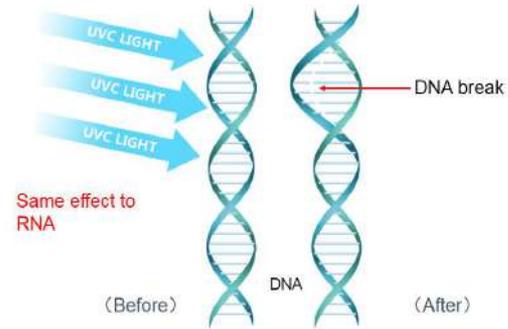


# UV Light Antivirus Principle

- Anne Rammelsberg, a chemistry professor at Millikin University, offers the explanation of the UV light kills the cells: Ultraviolet(UV) light kills cells by damaging their DNA. The light initiates a reaction between two molecules of thymine, one of the bases that make up DNA. The resulting thymine dimer is very stable, but repair of this kind of DNA damage--usually by excising or removing the two bases and filling in the gaps with new nucleotides--is fairly efficient. Even so, it breaks down when the damage is extensive.



How dose UVC light kill the bacteria and virus?



- The longer the exposure to UV light, the more thymine dimers are formed in the DNA and the greater the risk of an incorrect repair or a "missed" dimer. If cellular processes are disrupted because of an incorrect repair or remaining damage, the cell cannot carry out its normal functions. At this point, there are two possibilities, depending on the extent and location of the damage. If the damage is not too extensive, cancerous or precancerous cells are created from healthy cells. If it is widespread, the cell will die.

# UVA,UVB, and UVC Comparison

UV light,Stanford EDU

<http://solar-center.stanford.edu/about/uvlight.html>

The Difference Between UVA,UVB,and UVC by Adult  
Congenital Heart Disease Center

<https://share.upmc.com/2014/07/infographic-abcs-uv-difference-uva-uvb-uvc/>

Ultraviolet(UV)Radiation,FDA

<https://www.fda.gov/radiation-emitting-products/tanning/ultraviolet-uv-radiation>

	UVA	UVB	UVC
<b>Spectral Range</b>	315 – 400 nm	280 – 315 nm	100 — 280 nm
<b>Summary</b>	ILV (CIE S 017/E:2011)	ILV (CIE S 017/E:2011)	ILV (CIE S 017/E:2011)
<b>Wavelength</b>	Longest wavelength	Medium–wavelength	Shortest wavelength
<b>Antiviruses</b>	Noneffective	Noneffective	Effective
<b>UV radiation Effect</b>	Prolonged exposure to UV–A waves without adequate protection can have dangerous health consequences.	All effects are similar with UVA,but higher doses of UVB cause sunburn which increases human likelihood of developing cancer.	It's extremely harmful and almost completely absorbed by Earth's atmosphere.UV radiation can make DNA molecular bond rupture,resulting in bacteria can not breed and die. The ozone can be effectively kill bacteria.It is commonly used as a disinfectant in food, air, and water to kill microorganisms by destroying their cells' nucleic acids.
<b>Applications</b>	Technically often used for the adhesive UV bonding and curing of varnishes.	Play an important part in the photo stability.	

The suction motor in the EOS Extraoral Suction System is giving ultrastrong power, low level noise, and long life.

It is UL recognized, category PRGY2 (E47185), the rotation is 24435/min, flow is 42.8L/second, power is up to 1400W, suction power is 1303mmH<sub>2</sub>O, it is a heavy duty motor.



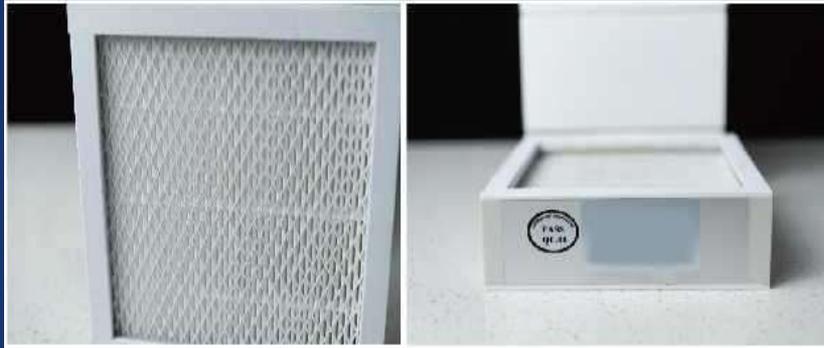
**Reliable  
Motor from  
famous  
American  
brand**

**AMETEK**<sup>®</sup>

The motor brand AMETEK is a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of approximately \$5 billion.

## Well sealed module structure

- With our special module design in the EOS Extra oral Suction System, fine filter, suction motor, UV light and HEPA filter are tightly buckled together into one metal module which is well sealed, this reliable structure helps to trap the dirty air inside, will not be leaked.



## HEPA metal frame

- In the article from CDC infection control online, mention the HEPA filter must be well sealed, a wooden or metal frame is required, a metal frame is much better. The EOS Extra- oral Suction System is using a metal frame for a HEPA filter.



ADS Dental System

## ADS Dental System Inc.

Add: 1590 S MILLIKEN AVE,UNIT A ONTARIO,CALIFORNIA,91761,USA

Tel: (626) 620 0456

E-mail: [ads@adsequip.com](mailto:ads@adsequip.com)

<http://www.adsequip.com/>





# EOS Extraoral Suction System

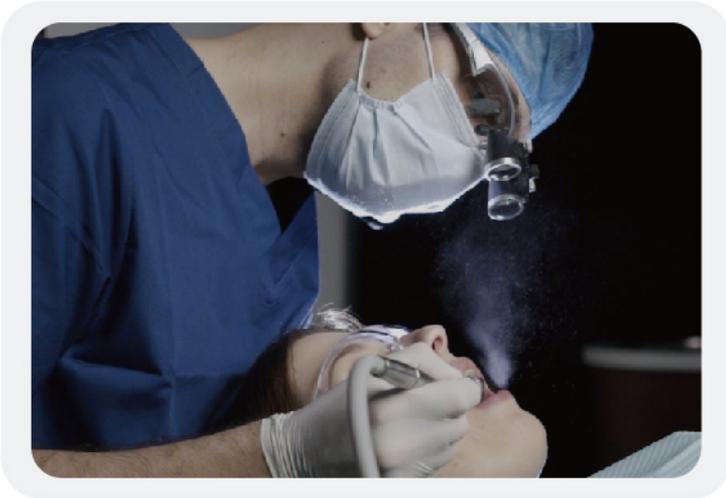


# Remove High Volume Of Droplets & Aerosols Produced During Dental Practice

Droplets	Aerosols	Virus	Blood	Dust
				

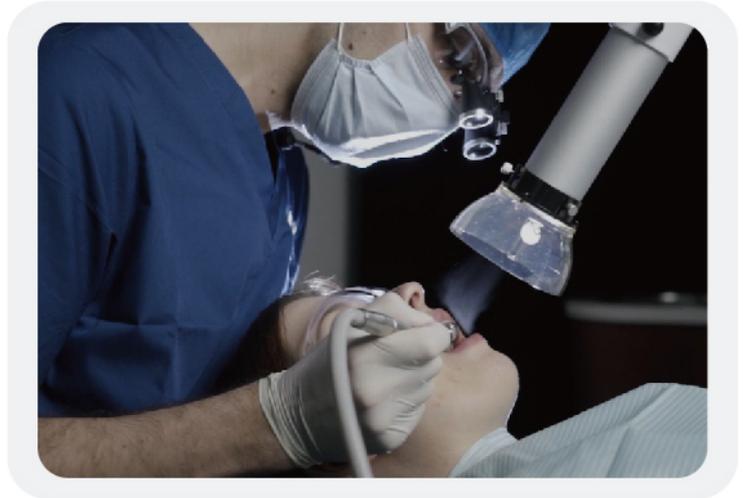
## • Before use

- In practice, high-speed handpieces and ultrasonic scalers produce a large number of droplets and aerosols, which make surgery and practitioners extremely vulnerable to infection.



## • After use

- ADS Extraoral Dental Suction System removes the Droplets and Aerosols effectively, highly reduce the infection risk, keep clean air for the surgery .



## • Superior Suction Power

- **The Heart of the System:** Engineering and design determined a reliable American-made motor, which has the advantages of long life, low noise, and negative voltage, which is ten times the suction of the central negative voltage.



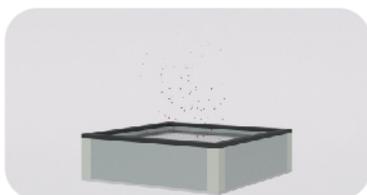
## • Aerodynamically Designed

- **Rear Exhaust Design:** The minimum degree of noise reduction can ensure the comfort of patients and staff. Ensure clean bacteria and virus-free dry exhaust.



## • Medical Grade Filtration System

- **H-14 Hepa Filtration System:** The 3 layer HEPA filtration system, stops virus and bacteria >0.3 microns with a 99.995% efficiency.
- **Precision Water Vaporization Filtering:** Make sure to dry immediately in the cabinet base and release clean dry air.
- **Medical Grade UV-C Light Disinfectant System:** The UV-C lamp used in conjunction with the H-14 Hepa filter can capture and kill bacteria, germs and viruses.



## • Intelligent Digitized Software Technology

- **Precision Control System:** The digital display can read 10 different levels of suction.
- **Monitoring of Filter Life:** The digital monitoring system shows the expected life of the Hepa filter.



# EOS Extraoral Suction System Technical Specifications



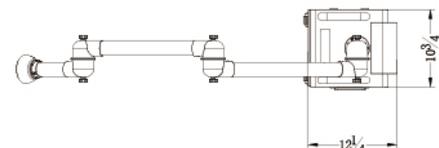
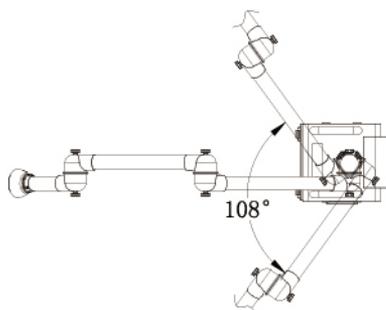
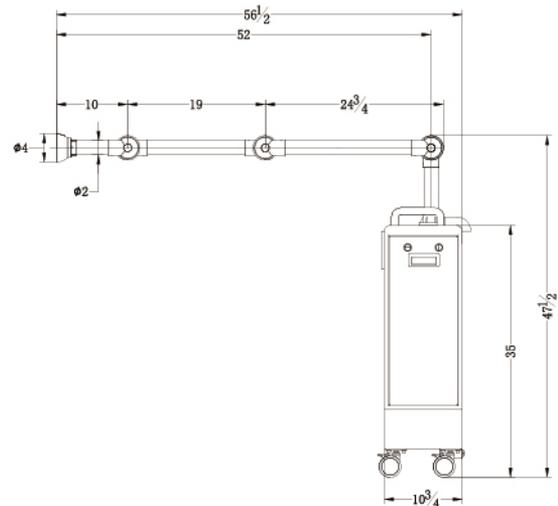
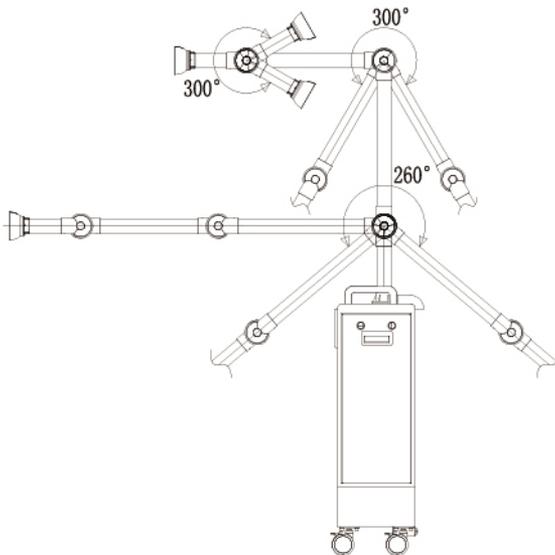
EOS Technical Specifications			
<b>Model</b>	EOS Extraoral Suction System		
<b>Voltage</b>	AC110V 60Hz	<b>Electric current</b>	12-20A
<b>Power</b>	1160W	<b>Fuse wire</b>	20A 250V
<b>Flow</b>	105CFM	<b>Suction Power</b>	23KPa (10 Different Levels)
<b>Fine Filter</b>	F8	Average Efficiency (EM) for 0.4MM particles (%),90<EM<95 Minimum efficiency* for 0.4MM particles (%),55 ( F8 matches European standard EN 779:2012 and ISO16890)	
<b>HEPA Filter Level</b>	H14	H14, blocking virus and germs ≥0.3µm with 99.995% filtration efficiency (H14 matches European standard EN 1822:2009, ISO16890 and DOE-STD-3020-2015 Specification for HEPA Filters Used by DOE Contractors)	
<b>Noise Decibel</b>	58dB ( Tested under laboratory environment and 6-8Inch distance from the suction mouth piece hood)		
<b>Suction Arm Caliber</b>	Φ2"		
<b>Size (millimeter)</b>	275*275*980mm		275*275*980mm

UV Light Specifications			
<b>Type</b>	UVC	<b>Lamp Tube Length</b>	5.3"
<b>Lamp Tube Caliber</b>	0.6"	<b>Lamp Cap Caliber</b>	0.7"
<b>Wave Length</b>	254nm	<b>Glass Tube</b>	Ozone-free quartz glass
<b>Power(W)</b>	4W	<b>Voltage (V)</b>	30±15%
<b>Electricity (mA)</b>	145±15%	<b>Radiation Intensity (µW/cm2)</b>	≥8 @39.4"
<b>Steady time (min)</b>	5	<b>Average Lifetime (h)</b>	> 8000 (Continuous use)
<b>Lamp Cap</b>	G5 Aluminum head	<b>Wire Material</b>	Molybdenum Wire
<b>Gas-filling</b>	Pure Argon	<b>Mercury</b>	Pure Liquid Mercury<15mg

Packing Specifications		
	<b>Suction arm</b>	<b>Case</b>
<b>Packing Size</b>	27.2*10.2*9 inch	14.0*14.2*39.4 inch
<b>Net Weight</b>	2.8 lbs	94.2lbs
<b>Gross Weight</b>	5 lbs	98.6lbs

## Dimensions

Unit:inch





## ADS Dental System Inc.

Technical support: 800 488 9708

Add: 1590 S Milliken Ave., unit A, Ontario, CA 91761

Tel: (626) 620 0456

 [www.adsdental.com](http://www.adsdental.com)

 [sales@adsequip.com](mailto:sales@adsequip.com)





ADS Dental System



# AJ17 Pediatric Chair

# AJ17 Pediatric Chair

Part number: A091701



## Standard Features:

AJ17 Electromechanical Pediatric chair, telescoping backrest,  
 Little size for 3-10 year old kids,  
 3 programmable positions,  
 0 position and LP last position,  
 Articulating headrest,  
 Swing out armrest,

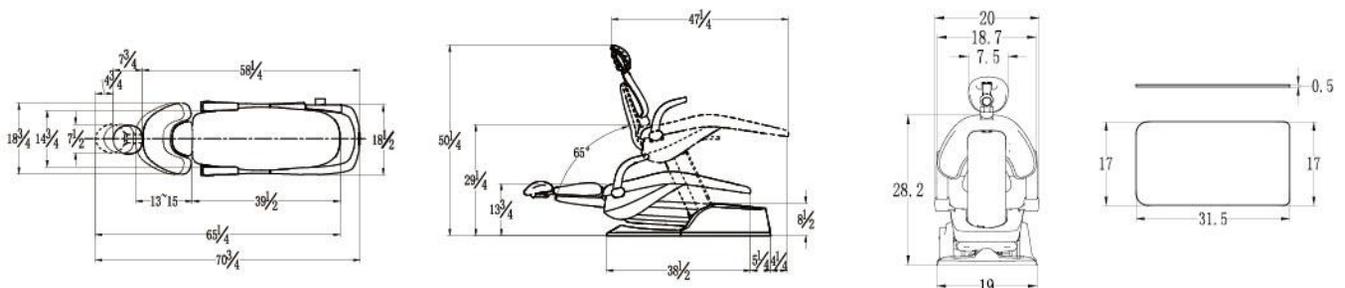
Steel backrest stand,  
 Steel base plate,  
 Chair safety switch,  
 Upgraded fiber leather,  
 One touchpad attached on armrest, Foot control

## Specifications:

Environmental requirements — Ambient temperature 5 °C~40 °C;  
 Humidity ≤80%;  
 Atmospheric pressure 8.7 psi~ 15.4psi;  
 Electrical requirements — AC110V ±22V;  
 50HZ, 60HZ;  
 Motor run time — Intermittent operation 30s On / 5min Off;

Weight — 265lbs;

Max patient load — 400lbs;



# AJ17 Classic 100

Part number: A9171001



## Standard Features:

AJ17 Electromechanical Pediatric chair with telescoping backrest,  
For 3-10 year old kids, 3 programmable positions,  
Articulating headrest, Swing out armrest, Steel backrest stand,  
Steel base plate, Chair safety switch, Upgraded fiber leather,  
One touchpad, Foot control  
Classic dentist's control head with 3 auto H.P. control,  
Individual water coolant controls,  
Master handpiece air coolant adjustment,  
Asepsis handpiece tubing,  
Master on/off switch, 1 doctor syringe,  
Remote toggles for cup fill and bowl rinse, Wet/Dry foot control,  
Stainless steel tray with non-slip pad, Flex arm air brake switch,  
Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles.

Classic 100 Post mounted utility (PMU) with steel side box,  
City water/bottled system, Water outlet and air QD,  
Solids collector,  
2 HVE, 1SE, 1 syringe on telescoping assistant's control,  
Junction box with air/water filters, regulators, master shut- off valves,  
5 ft. umbilical,  
Post mount LED light with sensor control, 3 level intensity adjustment

# AJ17 Classic 101

Part number: A9171001



## Standard Features:

AJ17 Electromechanical Pediatric chair with telescoping backrest,  
For 3-10 year old kids, 3 programmable positions,  
Articulating headrest, Swing out armrest, Steel backrest stand,  
Steel base plate, Chair safety switch, Upgraded fiber leather,  
One touchpad, Foot control  
Classic dentist's control head with 3 auto H.P. control,  
Individual water coolant controls,  
Master handpiece air coolant adjustment,  
Asepsis handpiece tubing,  
Master on/off switch, 1 doctor syringe,  
Remote toggles for cup fill and bowl rinse, Wet/Dry foot control,  
Stainless steel tray with non-slip pad, Flex arm air brake switch,  
Porcelain cuspidor bowl with strainer, Cup fill & Bowl rinse toggles.

Classic 101 Post mounted utility (PMU) with steel side box,  
City water/ bottled system, Water outlet and air QD,  
Solids collector,  
2 HVE, 1SE, 1 syringe on telescoping assistant's control,  
Junction box with air/water filters, regulators, master shut- off valves,  
5 ft. umbilical  
Post mount LED light with sensor control, 3 level intensity adjustment

# AJ19 Pediatric Bench

Part number: A091901



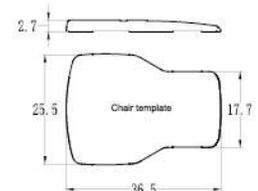
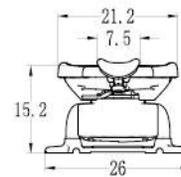
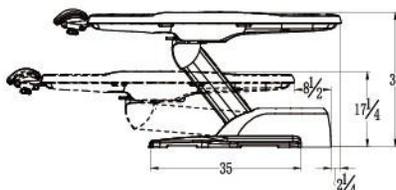
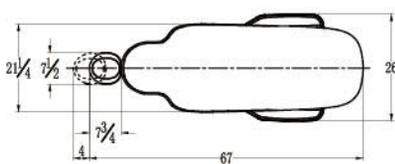
## Standard Features:

- AJ19 Electromechanical pediatric bench with up down function,
- Articulating headrest,
- Chair safety switch,
- Foot controll articulating headrest
- Sturdy cast iron structure & aluminum base,
- Foot control .

## Specifications:

- Environmental requirements — Ambient temperature  $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ ;  
Humidity  $\leq 80\%$ ;  
Atmospherical pressure  $8.7 \text{ psi} \sim 15.4 \text{ psi}$ ;
- Electrical requirements — AC  $110\text{V} \pm 22\text{V}$ ;  
50HZ, 60HZ;
- Motor run time — Intermittent operation 30s On / 5min Off;

- Weight — 331lbs;
- Max patient load — 400lbs;



# AJ19 Classic 100

Part number: A9191001



## Standard Features:

AJ19 Electromechanical pediatric bench with up down function,

Articulating headrest,

Chair safety switch,

Foot control

Classic dentist's control head with 3 auto H.P. control,

Individual water coolant controls,

Master handpiece air coolant adjustment,

Asepsis handpiece tubing,

Master on/off switch, 1 doctor syringe,

Wet/Dry foot control,

Stainless steel tray with non-slip pad,

Flex arm air brake switch

Classic 100 Post mounted utility (PMU) with steel side box,

City water/bottled system, Water outlet and air QD,

Solids collector,

2 HVE, 1SE, 1 syringe on telescoping assistant's control,

Junction box with air/water filters, regulators, master shut- off valves,

5 ft. umbilical,

Post mount LED light with sensor control, 3 level intensity adjustment

# AJ19 Classic 101

Part number: A9191011



## Standard Features:

AJ19 Electromechanical pediatric bench with up down function,

Articulating headrest,

Chair safety switch,

Foot control

Classic dentist's control head with 3 auto H.P. control,

Individual water coolant controls,

Master handpiece air coolant adjustment,

Asepsis handpiece tubing,

Master on/off switch, 1 doctor syringe,

Wet/Dry foot control,

Stainless steel tray with non-slip pad,

Flex arm air brake switch

Classic 101 Post mounted utility (PMU) with steel side box,

City water/ bottled system, Water outlet and air QD,

Solids collector,

2 HVE, 1SE, 1 syringe on telescoping assistant's control,

Junction box with air/water filters, regulators, master shut- off valves,

5 ft. umbilical

Post mount LED light with sensor control, 3 level intensity adjustment

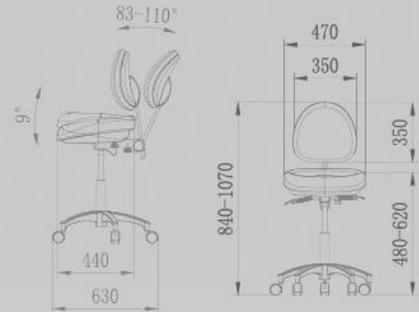
# Dental Stools



## D3 Doctor stool

Part number: A080103

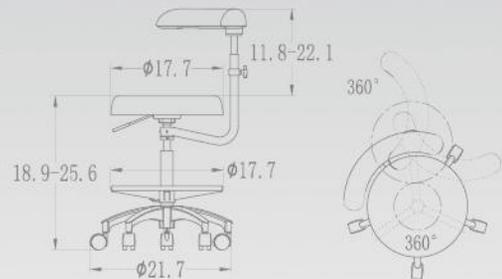
Chrome plated pneumatic cylinder  
 Height adjustment,  
 Backrest forward backward adjustment,  
 Seat surface adjustment,  
 Contoured seat & back,  
 Fiber leather upholstery  
 Cast aluminum star,  
 Quiet twin wheel casters,  
 1 year warranty



## N4 Assistant stool

Part number: A080224

Round seat,  
 Fiber leather upholstery,  
 Chrome plated pneumatic cylinder  
 Adjustable chrome foot ring  
 Cast aluminum star  
 Ratcheting body support,  
 1 year warranty



Color sample  
 (Fiber leather)



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[sales@adsequip.com](mailto:sales@adsequip.com)