

Dimensions (L x W x H)	
ADS-1100-001	96.5 cm x 27.9 cm x 78.7 cm (38 in x 11 in x 31 in)
ADS-1200-001	111.8 cm x 43.2 cm x 58.9 cm (44 in x 17 in x 22 in)
DS-1100-001	149.9 cm x 48.3 cm x 91.4 cm (59 in x 19 in x 36 in)
DS-1200-001 (Column Mounted)	114.3 cm x 48.3 cm x 83.2 cm (45 in x 19 in x 33 in)
DS-1200-001 (Cabinet Mounted)	124.5 cm x 48.3 cm x 63.5 cm (49 in x 19 in x 25 in)
Dimensions of Service Location Interfaces	
Refer to pre-install guides.	
Minimum Space Requirements and Recommendations for Dental Treatment Room	
Refer to pre-install guides.	
Overall Movements and Maximum Range of Rotation for All Swivel Arms	
Refer to pre-install guides.	
Interface Surface Methods of Retention (e.g. bolts)	
The dental chair mounted operator, including the light and patient, requires a solid level surface that can support a total of 1,027 lbs. The surface must be capable of retaining an anchor to secure the chair to the floor. Electrical supply details are provided in the IFU. Additional service requirements and junction box layout are included in the pre-installation documentation.	
Assembly and Mounting Information	
See our setup guides for information about the assembly and mounting of the product.	
Mass	
ADS-1100-001	10.0 kg (22 lb)
ADS-1200-001	21.3 kg (47 lb)
DS-1100-001	34.0 kg (75 lb)
DS-1200-001 (Column Mounted)	45.4 kg (100 lb)
DS-1200-001 (Cabinet Mounted)	31.8 kg (70 lb)
LT-1100 Left- Right Light	27.2 kg (60 lb)
Cuspidor	11.3 kg (25 lb)
Monitor	18.6 kg (41 lb)
Maximum Support and/or Lifting Capability	
All units are capable of accommodating an instrument tray and an additional 1.8 kg (4 lb) of weight.	
Electrical Characteristics (wiring diagram, input requirements (e.g. voltage and frequency), fuse values & outputs)	
See our setup guides and IFU for information about the air and water input of the product.	
Air & Water Input Requirements (e.g. pressure and flow rate), output characteristics, diagrams of piping for air, water, suction & waste water)	
See our setup guides and IFU for information about the air and water input of the product.	
Maximum Allowable Load/Movement of Dental Delivery System and Accessories (most unfavorable position)	
All units are capable of accommodating an instrument tray and an additional 1.8 kg (4 lb) of weight.	
Maximum Allowable Load of Non-Chair-Mounted Dental Delivery Systems	
All units are capable of accommodating an instrument tray and an additional 1.8 kg (4 lb) of weight.	

Maximum Allowable Load of Work Surface

(most unfavorable position)

1.8 kg (4 lb) of weight.

Standard Dental Delivery System and Dental Patient Chair Attachments and Loading Capabilities

Both LR Doctor's Unit and Chair Mounted Assistant's Unit are designed to accept an auxiliary tray. The auxiliary tray is capable of accommodating an additional 4 lb. of weight.

List of Spare Parts Required in General Use

Solids Collector Baskets	Chair Mounted - (1) 118613 - (50) 002-10259-00 12 o'clock - (144): 002-11262-00
Syringe Tip	120514
Regulator Valve Filter	Air Filter - 053-1166-00 Water Filter - 053-1166-00

Transport and Storage Conditions

(e.g. humidity, temperature and air pressure)

Temperature	-5°C to 38°C (23°F to 100°F)
Relative Humidity	10% to 90% (non-condensing)

Operating Environment Conditions

Ambient Operating Temperature Range	15°C to 35°C (59°F to 95°F)
Relative Humidity	10% to 90% (non-condensing)
Atmospheric Pressure	69 kPa to 106 kPa (10 psi to 15.3 psi)

Disposal and Recycling of the Dental Delivery System and Dental Patient Chair

At the end of product life, the unit, accessories and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of this equipment and other consumable goods.

Compatibility Information for Stationary Dental Delivery System Suction System

Stationary dental unit is compatible with wet, semi-dry, and dry suction systems.

Type(s) of Suction System and Air Volume Flow Rate

Type 1	250 NI/min
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Air and Water Dental Handpiece Connection Configurations

ISO9168, Type 2 or Type 3 connections for air-driven handpieces.

Proprietary handpiece connections for integrated Dentsply Cavitron scaler and Acteon Newtron scaler.

Procedural Water and Dental Air Pressure/Flow Rate Used to Supply Dental Handpieces

Drive Air	60 NI/min @ 45 psig
Coolant Air	1.5 NI/min @ 35 psig
Coolant Water	50 ml/min @ 18 psig

Stationary Dental Unit Supply/Waste Line Dimensions and Connection locations

Refer to pre-install guides.

Incoming Water Requirements

Water Pressure Limit	40-50 psi
Water Flow Rate Limit	1.25 GPM
Water Hardness Limit	10 ppm TDS
pH Limits	per local code
Maximum Particle Size	per local code
Requirements for Microbiological Quality	per local code

Installation, Location, and Operation of Incoming Water Sampling Points

If the unit is connected to an external drinking water supply, it is recommended that a sampling point for incoming water is installed at or near the incoming water connection point. Follow local code requirements for the installation of a water sampling point.

Dental Air Requirements					
Air Pressure Limit	80-100 psi				
Air Flow Rate Limit	3 SCFM				
Air Purity Class	ISO 8573-1:210(3:3:1)				
Maximum Static Suction Pressure and Connection Dimension					
Maximum Static (ie. No flow) Suction Pressure	40 kPa				
Suction Connection Dimension	5/8" ID				
Pressure Head Loss per Flow Rate					
	60	90	170	250	NI/min
HVE	-	0.84	2.59	5.95	(psia)
SE	6.06	-	-	-	(psia)
Cannula Connection Dimensions					
HVE	Standard 11 mm				
SE	Standard 6 mm				
Suction System Solids Filter					
(e.g. rated mesh size, compatibility with air abrasives and maintenance/replacement)					
Chair Mounted Assist	170 US mesh - Polishing Paste and Abrasives Compatible - Replace weekly				
12 o'clock Assist	210 US mesh - Polishing Paste and Abrasives Compatible - Replace weekly				
Schematic Diagrams (e.g. tubing, components and connections)					
See the Setup guides for a schematic diagram of tubing, components and connections to the delivery system.					
Preventing or Inhibiting Biofilm Formation in Stationary Dental Delivery System Waterlines					
Follow the steps outlined in the Waterline Maintenance section of the User Guide for the prevention and removal of biofilm formation.					
Methods Used to Remove Biofilm From Stationary Dental Delivery System Waterlines					
Follow the steps outlined in the Waterline Maintenance section of the User Guide for the prevention and removal of biofilm formation.					
Backflow Prevention					
The stationary dental unit must be installed in conformance with local backflow prevention regulations.					