

Installation
Operation
Maintenance
Troubleshooting
Version Dec/17







Mobile Cabinets



Table of Contents

WARRANTY	3
Important Information	4
Technical Specifications	4
Weight & Dimensions	5
Dimensions	6
Operator's Instructions	10
Purging Your System	12
Troubleshooting Guide	13
Installation Instructions	14
Utility Center Plumbing Layout	15
Utility Center Tubing Diagram	16
Cabinet Parts List	17



Summit Dental Systems Toll Free: (800) 275-3368 www.summitdental.com

WARRANTY

Summit Dental Systems (SDS) warrants its products against defects in materials or workmanship from the date of shipment to the Buyer as follows:

Summit Dental Systems (SDS) Equipment:

Chairs, Delivery Units, Cuspidors, Lights

Zipclave Sterilizer

Control Block Diaphragm (part of Delivery Unit)

All Upholstery, Stools, All Plastic Covers, and Cabinets

Zipclave Heating Element & Zipclave Gasket

Warranty Period:

5 Years

3 Years Limited Parts

Lifetime

1 Year

Summit Dental Systems' sole obligation under the warranty is to provide parts for repair, or at its option, to provide a replacement product (excluding all labor and shipping fees). "In any action, BUYER'S remedies are limited to the warranty described above. BUYER shall not be permitted to claim lost profits, reliance, special, incidental, or consequential damages in any proceedings." The warranty does not cover damage from improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning disinfecting or sterilization chemicals and processes. Failure to follow instructions provided in Summit Dental Systems' Operation and Installation Manuals (Owner's Guides) may void the warranty. In the event Warranty service must be performed to correct any defect, only an authorized Summit Dental System dealer may perform any and all warranty repairs. Any repairs by unauthorized dealers, technicians, or repairmen may void the warranty.

- In the case of a defective warranty item, a copy of the replacement invoice, model and serial number of the product under which it was replaced, and description of symptoms of the defect must be returned with the part within 30 days of the replacement invoice date to Summit Dental Systems, 1280 SW 27th Ave Pompano Beach, FL 33069, USA, in order to receive credit. Any and all expenses for freight, labor to perform warranty service, and purchase of spare parts are the responsibility of the buyer. Any fraudulent claims made may void the warranty. Any additional warranty that may be provided by an authorized Summit Dental Systems dealer is the sole responsibility of said dealer.
- SDS reserves the right to make changes or improvements on any products without being required to modify existing equipment in a like manner.

Please complete and retain for your records the following Information:

Owners' Name:	Phone #:
Model #:	SDS Serial #:
Dealer:	Phone:
	Purchase Date:



www.summitdental.com

Important Information

Technical Specifications

Air Regulator Pressure: 80 PSI

Water Regulator Pressure: 40 PSI

Handpiece Pressure: 30-35 PSI (for most high-speed handpieces)

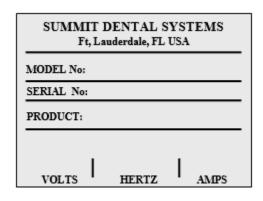
40-45 PSI (for most low-speed handpieces)

<u>CAUTION:</u> When adjusting the handpiece pressure, do not over tighten the screws. This may result in unnecessary damage to the handpiece control block.

- Pay careful attention when unpacking the delivery cart and its accessories. Damage caused by mishandling the equipment during unpacking or installation is not covered under warranty.
- New Owner: Please read, sign and submit the warranty registration form that is located on page 3 of this manual. Failure to return this form may void the warranty.
- Read this manual carefully. If you have any questions, please call SDS Technical Service at 1-800-275-3368 or 954-730-3636 (Outside USA).

Product Label Location

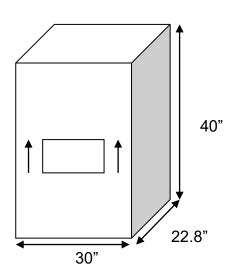
The product label can be located inside the handpiece control door.





Weight & Dimensions

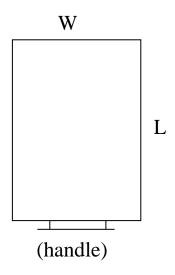
Shipping Information



Model 900SH Series Delivery Carts

Shipping Weight: 130 lb.

Inside Drawer Dimensions

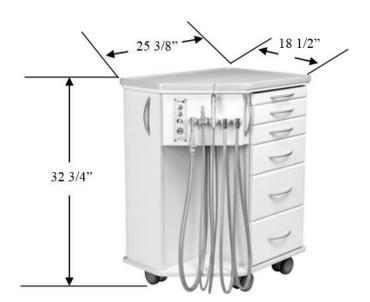


Small: 13 ½" L x 10 1/16" W x 1 3/8" H Medium: 13 ½" L x 10 1/16" W x 2 5/8" H Large: 13 ½" L x 10 1/16" W x 5 3/8" H



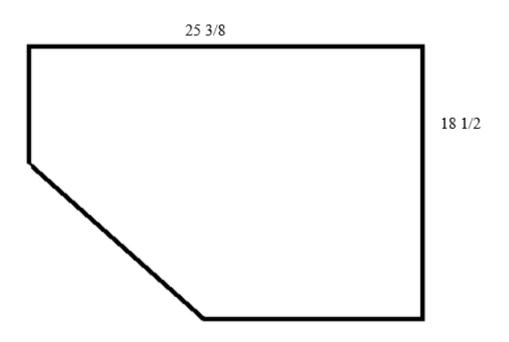
Dimensions

900SH Cabinet Dimensions



- Cabinet top width 25 3/8"
- Cabinet top depth 18 1/2"
- Cabinet height 32 3/4"
- Drawers: 2 large, 1 medium, 2 small

900SH Cabinet Base Dimensions





Dimensions

900SHC Cabinet Dimensions



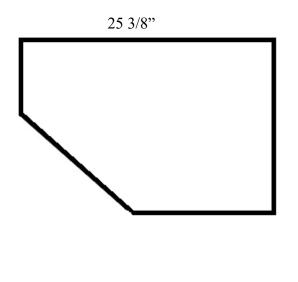
- ■Cabinet top width 25 3/8"
- ■Cabinet top depth 18 1/2"
- ■Cabinet base width 26 1/8"
- ■Cabinet base depth 29 1/2"
- ■Cabinet height 32 3/4"
- ■Drawers: 2 large, 1 medium,
- ■1 small, 1 keyboard flip drawer
- ■Mini Keyboard Dimensions: 11 3/8" x 8 ½"

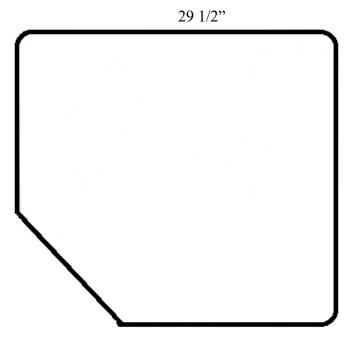


900SHC Cabinet Top and Base Dimensions

Top Dimensions

Base Dimensions







900CWS Cabinet Dimensions



- Cabinet top width 26 1/8"
- Cabinet top depth 29 1/2"
 Cabinet height 32 7/8"
- Computer Storage Area: 17" L x 9 6" D x 27" H
- Drawers: 2 large, 1 medium,
- 1 small, 1 keyboard flip drawer

Mini Keyboard Dimensions:

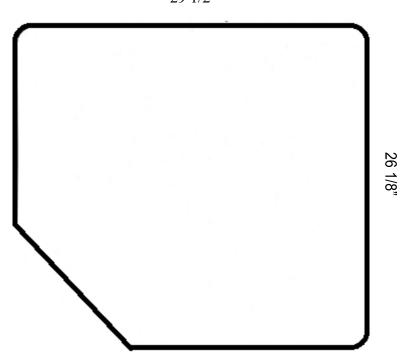
■ 11 3/8" x 8 ½"



900CWS Cabinet Top Dimensions

Top Dimensions

29 1/2"



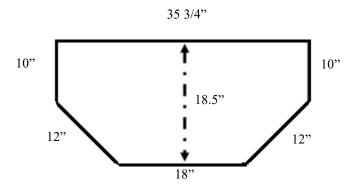


910 Rear Delivery Cabinet Dimensions



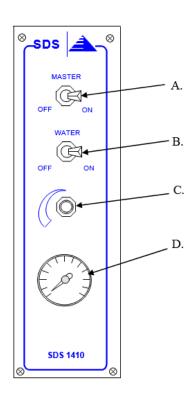
- Cabinet max top width 35 3/4"
- Cabinet max top depth 18 1/2"
- Cabinet height 32 1/2"

910 Rear Delivery Cabinet Top Dimensions





Operator's Instructions



A. MASTER ON/OFF SWITCH

Opens and closes the valves in the floor-mounted Utility Box, supplying air to the complete system. Shut off nightly.

B. WATER ON/OFF SWITCH

Opens and closes the valves in the floor-mounted Utility Box, supplying water to the complete system. Shut off nightly.

C. WATER COOLANT FLOW CONTROL

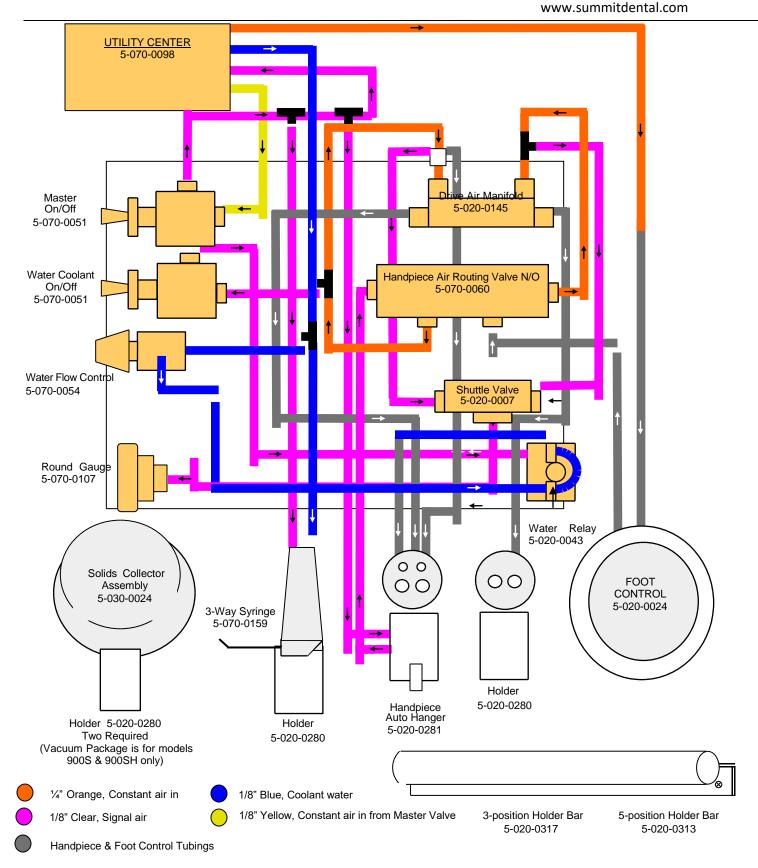
Controls the flow of water coolant to handpieces. Turn counter-clockwise to increase, and clockwise to decrease or to fully cease for low-speeds.

D. HANDPIECE PRESSURE GAUGE

Indicates pressure adjusted by the Drive-Air Control Knob. Avoid exceeding the manufacturer's recommended handpiece pressure. (30 - 35 PSI for most Highspeed Handpieces) (40 - 45 PSI for most Lowspeed Handpieces).



Summit Dental Systems
Toll Free: (800) 275-3368





Purging Your System

Daily Maintenance

Purging with air: At the end of every day, the lines should be purged with air to prevent the growth of biofilm.

- 1. Remove handpieces from tubing.
- 2. Empty the water bottle, then reinstall it (if water bottle is applicable, when using city water, turn off water from the source).
- 3. Hold the handpiece tubing and syringe over a pail. Turn the unit on, wait a few moments and then operate the flush toggle (if applicable), syringe and foot control until water is purged from the system.
- 4. Turn unit off.

Disinfecting the bottle (if applicable): Fill the bottle with 100 ml disinfectant solution, shake vigorously and let settle for 10 minutes. Shake again, and then rinse twice with water.

Weekly Maintenance

The weekly cleaning procedure should be performed at least once a week, preferably at the start of the week before treating patients. If the unit is stored for any length of time, perform the weekly maintenance routine immediately before and after storage.

- 1. Purge the unit with air (see Daily Maintenance).
- 2. Flush the system with disinfectant solution:
 - a. Turn unit off. Empty the water bottle (if water bottle is applicable), replacing the water with cleaning solution (see Disinfectant Solution).
 - b. Remove handpieces from tubing and hold the handpiece tubing and syringe over a pail. Turn unit on, wait a few moments and then operate the flush toggle (if applicable), syringe and foot control until a continuous stream of solution is running through the system.
- 3. Allow the disinfectant to remain in the unit for at least 10 to 20 minutes and then flush the system again until all the solution is used up.
- 4. Purge the unit with air:
 - a. Hold the handpiece tubing and syringe over a pail. Turn the unit on, wait a few moments and then operate the flush toggle (if applicable), syringe and foot control until all solution is purged from the system.
 - b. Turn unit off. (If the unit is to be stored, stop here.)

5. Fill with clean water:

- a. With the unit turned off, remove the empty disinfectant bottle (if applicable). Replace with clan bottle and water.
- b. Hold Remove handpieces from tubing and hold the handpiece tubing and syringe over a pail. Turn unit on, wait a few moments and then operate the flush toggle (if applicable), syringe and foot control until a continuous stream of solution is running through the system.

Disinfectant Solution: Use 100 ml (9 parts tap water & 1 part 5.25% Sodium hypochiorite (household bleach) of disinfectant solution for each application per week. Always use a fresh mixture every week.



Troubleshooting Guide

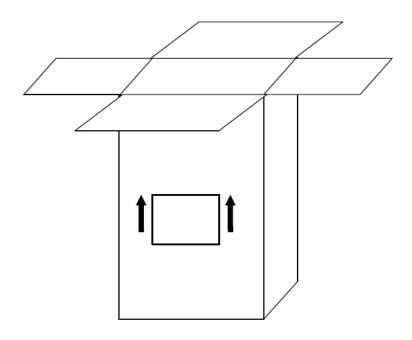
SYMPTOM 1. Handpiece Lacks Power	PROBABLE CAUSE A. Check regulator adjustment (80 psi). B. Check handpiece pressure adjustment on control block. C. Plugged air filter. D. Pinched supply tubing. Check for kinks. E. Bad handpiece gasket at connection with tubing. F. Defective handpiece.
2. Water coolant does not shut off when Foot Control is released.	A. Adjust air pressure to 80 psi - water pressure to 40 psi.B. Foot Control is not exhausting.C. Defective water relay in valve.
3. More than one handpiece is operating.	A. Handpiece is not completely in the hanger.B. Improper adjustment of Pilot Valve in the hanger.C. Kinked or pinched signal line from the Pilot Valve.
4. Insufficient water coolant.	A. Adjust coolant flow valve.B. Water filter may be plugged.C. Plugged handpiece.D. Kinked or pinched tubing.E. Improper adjustment of water relay.
5. Water coolant is running from handpiece while in holder.	A. Water pressure is too high.B. Air pressure is too low.C. Handpiece holder out of adjustment.
6. Water coolant is running continuously.	A. Purge switch is on (on applicable systems).B. Water pressure is too high.C. Handpiece holder out of adjustment.

If you continue to experience difficulties, please call Technical Service Team at 1-800-275-3368.

D. Improper adjustment of water relay.



Installation Instructions



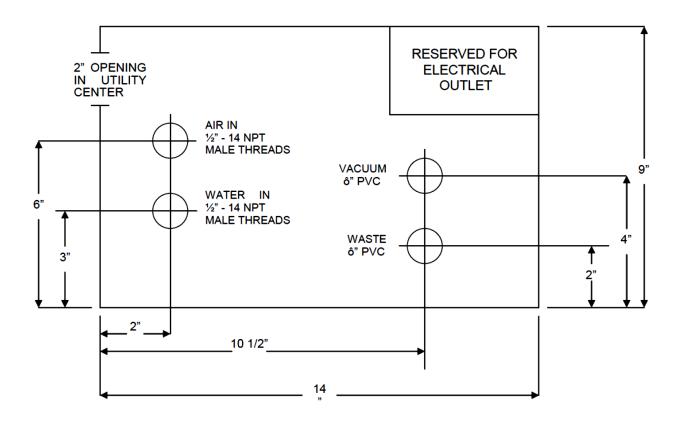


1. Your 900 Series Delivery Carts are pre-assembled for your convenience. Just open the box, take out the cart, assemble the (4) caster wheels to the bottom of the cart with the washers and flat-head screws provided, place it on the floor and hook-up the utility center (see pages 11& 12).



Utility Center Plumbing Layout

(Not to Scale)



NOTE: All pipes must be terminated 1 inch above floor. Position box so that 2" opening faces post side.



Utility Center Tubing Diagram

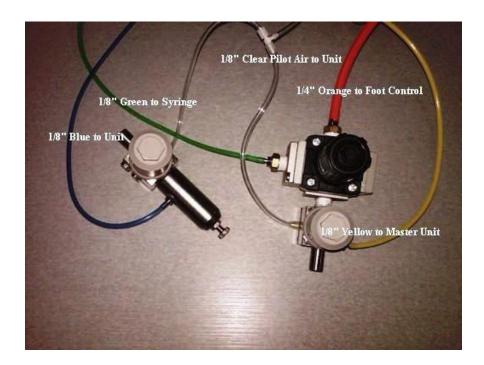
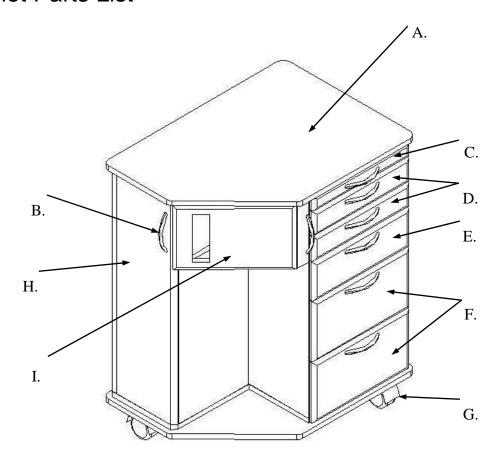


figure 1 Air Side Air Regulator (Part # 5-070-0111)



Cabinet Parts List



Description

- A. Removable Plastic Surface Tray for 900SH/SHC
- B. Aluminum Handles
- C. Breadboard
- D. Small Storage Drawer
- E. Medium Storage Drawer
- F. Large Storage Drawer
- G. Dual Caster Wheels
- H. Cart Frame
- I. Handpiece Control Door
- J. Door Hinge (not shown)
- K. Drawer Glide Kit (not shown)

Part Number

1-020-0101

5-020-0034

2-020-XXXX (specify color)

2-020-XXXX (specify color)

2-020-XXXX (specify color)

2-020-XXXX (specify color)

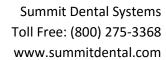
2-020-0106

2-020-0020

2-020-XXXX (specify color)

5-020-0020

2-020-0108



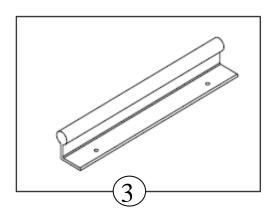










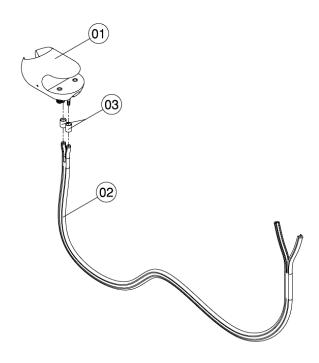


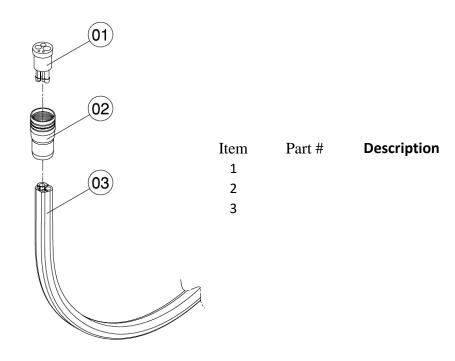


	Part #	Description
1	5-020-0286	Egg, Handpiece Auto holder Oval
2	5-020-0285	Egg Syringe Holder Oval Gray
3	1-090-0102	Egg Bar Holder 8"
4	5-030-0009	Saliva Ejector Plastic

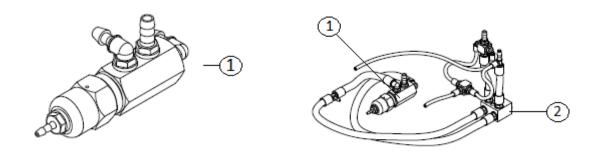


Item	Part #	Description
1	5-020-0286	Egg, Handpiece Auto Holder,Oval
2	5-070-0039	Tubing Gray 2H Syringe Straight
3	4-070-0047	Plastic Sleeve 1/8"

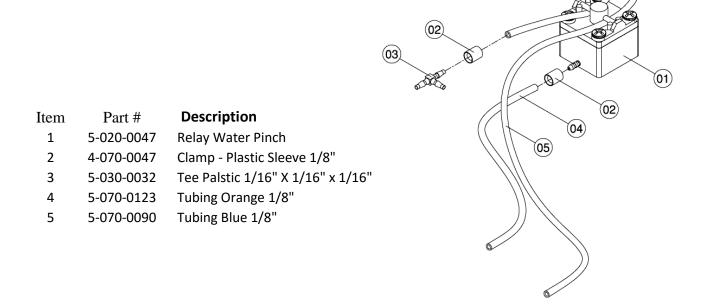




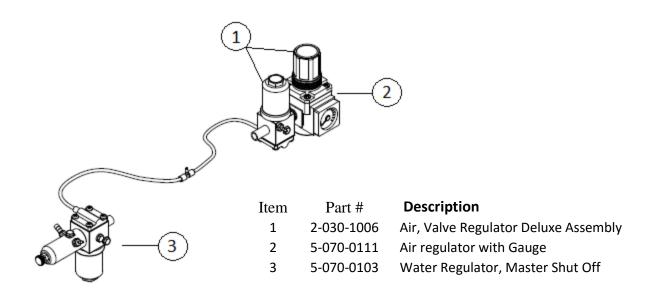




Item	Part #	Description
1	5-070-0257	Air Routing Valve Assembly
2	5-020-0145	Manifold, Flow Control, 2 Ports









Item Part # **Description**1 5-020-0024 Foot Control Disc Type, Standard, Gray w/7, 2H Gray Tubing



1280 SW 27th Ave - Pompano Beach - FL 33069

Toll Free: (800) 275-3368

www.summitdental.com